



# About

Servotech is dedicated to creating value through transformative change, with a commitment to advancing a green future through sustainable development and relentless innovation. Our eco-friendly products are designed to lead the way in renewable energy and electric mobility. With an extensive presence spanning over two decades we have curated high value solutions.

Our green product portfolio features comprehensive solar solutions, including solar panels, inverters, and batteries. Our Elegant & Flare Series Off-Grid Solar Inverters are a notable addition to our robust lineup of efficient solar products, reflecting our forward-thinking approach. Recognizing the importance of integrating cutting-edge technology, we have developed these advanced Off-Grid Solar Inverters. Servotech continues to push the boundaries of solar technology, ensuring we deliver superior performance and innovation to our customers.

### Solar, Simplified with Elegant & Flare Off-Grid Series

Servotech's Off-Grid Series Inverters with their new and improved advanced technology redefine the concept of renewable power. Crafted with sincerity, built on reliability, our Elegant & Flare Series are a reflection of Servotech's long lasting legacy of technology driven reliable and durable products.

### Here is why you should choose us:

- **Industry Leader:** As a pioneering solar solutions provider, Servotech leads innovation in the renewable energy sector, with products trusted by customers globally.
- **Precision Engineering:** Our off-grid solar inverter are expertly crafted for efficient energy conversion, ensuring maximum power output from your solar panels.
- High Efficiency: Designed with a focus on optimal performance, Servotech inverters
  provide high energy conversion rates, lowering electricity costs and maximizing your
  solar investment.
- **User-Friendly Design:** Featuring easy-to-use interfaces and simple installation, our inverters offer a seamless experience, making solar power accessible and convenient for all households.



# **Elegant Unik**

### **PWM** Series PCU



#### **CORE FEATURES**



- Big Display for Data
- Maximized Solar Usage through Intelligent modes.
- Incorporated with Microchip and ST DSP Engines
- Safety and Protections

- 5 Stage Battery Charging
- Multiple Battery Selection
- Sleek & Aesthetic design
- Works as standalone Solar Inverter in case of No-Grid



# **Elegant Unik**

### **PWM** Series PCU

## **Technical Specifications**

					E	legant Unik-P				Ni and -		
Parameters  Model			EU-PCUOGP-2012/S11				Rat		Adjustable Range			
Capacity			1600VA					3000VA				
Operating DC Vol Typical Efficiency			12V 24V ≥80% ≥82%									
Switching Elemen	nt						MOS	SFET				
Charger Topology Parameters (Grid							Boost N	MOSFET				
Nominal Grid Vol	tage						23					
Nominal Frequen Frequency Range			50Hz 45-55Hz									
Output PF. Battery Charging	Mathad /E Ctaga		0.8 Soft Start/Bulk/Absorption/Float/Equalize									
Grid-Battery	TUB (Default)	Boost	14.4V ± 0.2V (Each Battery)									
Charging Grid-Battery	, ,	Float Boost	13.8V ± 0.2V (Each Battery) 14.2V ± 0.2V (Each Battery)									
Charging	SMF	Float		13.8V ± 0.2V (Each Battery) 15A ± 1A								
Grid-Battery Charging	Enable	Default Maximum						5A - 18A				
Current	Disable	Normal/Boost				_		11V - 12.5V				
Grid Reconnect @ Grid Low Cut	Battery Voltage UPS Mod	e Enable				l	11.7V ± 0.2V (Each Battery) 170V ± 10V					
Voltage	UPS Mode						100V					
Grid Low Cut Recovery	UPS Mod						180V 110V					
Grid High Cut	UPS Mod						265V 290V					
Voltage Grid High Cut	UPS Mod						255V	± 10V				
Recovery	UPS Mode Disable						280V	± 10V				
Changeover (Batt. to Mains)	Mains) OF 3 Mode Ellable/Disable						<6	ms				
Changeover UPS Mode Enable/Disable						<25	īms					
DG Mode	Enable/I	Disable					Dis	able				
Parameters (Batte Output Phase	ery Mode)						Single	Phase				
Output Waveform							Sine	wave				
Nominal Output \ Max. Output Wat					4	.2A	2200	/ ± 5% 8.5A				
Nominal Frequen						10	50H	z ± 1 (Each Battery)		50Hz 10.5V - 11.1V		
Battery Low Buzz Battery Low Cut	er							(Each Battery)		10.5V - 11.1V		
Battery High Cut Voltage THD						16		(Each Battery) ear Load)		16.5V - 17.5V		
voitage THD			LIDS Mod	la Dicabla	1	√110% 2-Ti						
Overload Capacit	v			UPS Mode Disable >110% 3-Times Auto Reset with 30sec. Delay and 4th Time Shut Down.								
Overload Supusit	,		UPS Mode Enable >110% 1st Time Shut Down after 30sec. Delay									
								thut Down with 10 sec. delay				
Protection							Short Circui	it, PV Reverse, PV High, Mains Fuse Trip, Grid Overload, Wiring F	ault			
			S.No.	POWER	itch	Function(s)		Switch LED Status				
			'	POWER		ON/OFF UPS Output		SYSTEM ON - LED ON , SYSTEM OFF - LED OFF				
				2 Inverter/UPS		When it is Short Pressed it Enable UPS/Inverter Mode Selection. When it is long Pressed Enables the UPS Parameter Setting.		UPS Mode ON - LED ON , UPS Mode OFF - LED OFF				
Switches and LED	O Indication		3	3 SMF/TUB		When it is Pressed it Enables TUBULAR/SMF Battery Selection		TUBULAR Battery - LED ON , SMF Battery - LED OFF				
			4	4 Hybrid/PCU		When it is short pressed it enables Hybrid/PCU Mode Selection		PCU Mode - LED ON, Hybrid Mode - LED OFF				
			5	5 Only LED		Solar Status Green/Red						
Display			Battery Voltage, Solar Charging Current, Grid Charging Current, Solar Load Current, Grid Voltage, Grid Frequency, Output Voltage, Output Frequency, Load in % on Battery, Load in % on Solar, Charging Mode, Protection, Charging Mode, Solar Kwh(Saving), Solar Availability Status, Solar Working Mode (Hybrid/PCU Lite/PCU Ultra), UPS ON/OFF									
Parameters (Sola Switching Elemen	nt						моз	BFET				
Operating Mode Type of charger		E/PCU ULTRA					Hyl PV	brid VM				
SPV Charging	TUB	Boost				_1		14.2V - 15.5V				
Voltage SPV Charging		Float Boost				14		13.8V - 14.5V 13.5V - 14.5V				
Voltage	SMF	Float	14.3V ± 0.02V (Each Battery) 13.9V ± 0.02V (Each Battery) ≥97%							13.5V - 14V		
Efficiency Solar Current Min						>1A (Below	1A, System v	will act like Solar Absent)				
Solar Current Max. Input Voltage Range (Min - Max) Voc			50A 17V - 25V 31V - 45V									
Maximum PV Pov	wer Recommende					00W		2000W				
Parameters (Envi Operating Tempe	ronment)		0-50°C									
Cooling			Fan									
Max. Relative Hui Noise @1metre	midity@25°C (Nor	n-condensing)	95% 50dB									
Standard Complia			IP20									
Weight(Kg) Gross Dimension LxWxI		12kg 21.5kg 395X335X225 395X385X270										
Note:- Flegant Ur	nik 2012/S11 mar	el support to 11	IP brandad	Tullu numn	s Flenant I	nik 4024/S11 model our	nort to 1HP	any make submersible pump.		· · · · · · · · · · · · · · · · · · ·		
. rote. · Liegant Ur	2012/01111100	aca συμμυτί το ΤΙ	pranued	, and pump	o. Liegaiii U			any make submersible pump.				

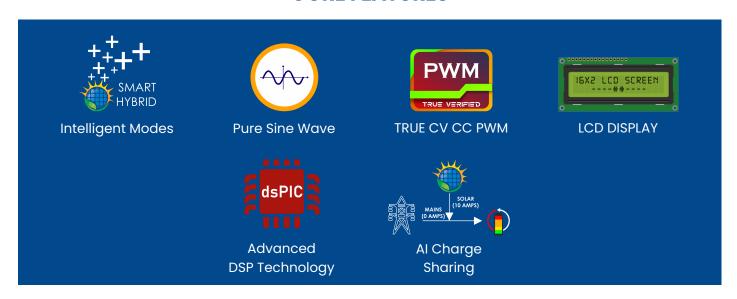


# **Elegant Plus**

### **PWM** Series PCU



#### **CORE FEATURES**



- Big Display for Data
- Maximized Solar Usage through Intelligent modes.
- Incorporated with Microchip and ST DSP Engines
- Safety and Protections

- 5 Stage Battery Charging
- Multiple Battery Selection
- Sleek & Aesthetic design
- Works as standalone Solar Inverter in case of No-Grid



# **Elegant Plus**

### **PWM** Series PCU

### **Technical Specifications**

Product   Product						Elego	int Plus-	PWM Ser						
March   Marc		Parameters								l	l	Adjustable Range		
Page														
Section   Common Control Con		tage		80			OVA	1713	OVA		2650VA			
Description														
Part	Charger Topology	У												
Second Property   Solid   So								21	201/					
Column   C														
Section   Control   Cont	Frequency Range	1		45-55Hz										
Total Canage   Tota		Method (5 Stage)												
14 Y 1   17 Y 1   1	Grid-Battery	TUB (Default)		14.4V ± 0.2V (Each Battery)										
Charging   Control   Con		0145												
Chargery   100000	Charging	SMF	Float											
Content		Enable			5A - 18A									
District Col.   DIPS Note I reader   1707   19	Current			Charging Current 0.0A										
1587 Mode Costable   100    100 \text{   100 \tex			e Enable							y)		11V - 12.5V		
New York   10   10   10   10   10   10   10   1	Voltage	UPS Mode	: Disable					100V	′ ± 10V					
Control   Cont														
Continging   Con	Grid High Cut	UPS Mode	e Enable					265V	′ ± 10V					
Miles Note   Desirable   Des	Voltage													
Continue	Recovery													
Change   C	Changeover (Batt to Mains)	LIPS Mode Enable/Disable						<6	ims	-				
Production   Productionable   Productionable   Productionable   Productionable   Productionable   Productionable   Productional Productionable   Productional Productionable   Productional Production	Changeover	S) LIPS Mode Enable/Disable						-2	5ms					
Provided Capacity	(Mains to Batt.)													
Silenter	Parameters (Batt													
Noting   10   10   10   10   10   10   10   1		1												
Solit   Soli	Nominal Output V	/oltage						220\	√ ± 5%					
10.9 \times 1.02 \times 1.03 \times 1.02 \times 1.03 \times 1.02 \times 1.03				2	2A	2.	7A			5.1A	7A	50U-7		
16.5V 1.75V   16.5V 1.07V 1.										ry)				
Voltage PTID	Battery Low Cut													
UPS Mode Enable	Voltage THD									19)		10.50 - 17.50		
Protection				UPS Mod	le Disable		>110% 3-	Times Auto R	eset with 30:	sec. Delay and 4th Time Sl	nut Down.			
Protection	Overload Capacit	y		LIDS Mode Enable				. 110% 104	Time Chut C	Naven often 20aaa Dalau				
Overload, Battery Low, Battery High, Over Temperature, Short Circuit, PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Short (Fout), PV Reverse, PV High, Mains Fuse Fitig, Grid Overload, Writing Fasher Fitig, Grid Fasher Fitig, Grid Overload, Writing Fasher Fitig, Grid Overload, Fasher Fitig, Gr				·										
S.No.	D I I'			Overload, E										
1	Protection													
When it is Short Pressed it Enable LPS/Inverter LED ON , UPS Mode ON - LED ON , UPS Mode OFF - LED OFF LED OFF LED OFF LED OFF LED OFF LED OFF LED ON , UPS Mode OFF - LED OFF LED OFF LED OFF LED ON , UPS Mode OFF - LED OFF LED OFF LED OFF LED ON , UPS Mode OFF - LED OFF LED ON , UPS Mode OFF - LED OFF LED ON , UPS Mode OFF - LED OFF LED ON , UPS Mode OFF - LED OFF LED ON , UPS Mode OFF - LED OFF LED ON , UPS Mode OFF - LED ON , UPS Mode OFF - LED OFF LED ON , UPS Mode OFF - LED ON , UPS Mode OFF - LED OFF LED ON , UPS Mode OFF - LED OFF NO , UPS MODE OFF - LED ON , UPS MODE O														
Switches and LED Indication				'	FOWER		UN/UFF U	PS Output	31.	STEWLON - LED ON , STST	EIWI OFF - LED OFF			
SMF/TUB					2 Inverter/UPS									
A   Hybrid/PCU   it enables Hybrid/PCU   Mode Selection   PCU Mode - LED OFF				2	Inverter/UP	s	it Enable UF Mode Select is long Pres the UPS P	PS/Inverter tion. When it sed Enables Parameter	UPS	Mode ON - LED ON , UPS N	Aode OFF - LED OFF			
Battery Voltage, Solar Charging Current, Grid Charging Current, Grid Charging Mode, Protection, Red LED OFF - No Protection Selected Uptur Frequency, Load in % on Solar, Charging Mode, Protection, Charging Mode, Solar Kwh(Saving), Solar Availability Status, Solar Working Mode (Hybrid/PCU Litte/PCU Ultra), UPS ON/OFF    Parameters (Solar)	Switches and LEE	D Indication				s	it Enable UF Mode Select is long Press the UPS P Sett When it is Enables TUE	PS/Inverter tion. When it sed Enables Parameter ing.  Pressed it BULAR/SMF						
Display   Output Frequency, Load in % on Battery, Load in % on Solar, Charging Mode, Protection, Charging Mode, Solar Kwh(Saving), Solar Availability Status, Solar Working Mode (Hybrid/PCU Lite/PCU Ultra), UPS ON/OFF	Switches and LEC	D Indication		3	SMF/TUB		it Enable UI Mode Select is long Press the UPS P Sett  When it is Enables TUE Battery S  When it is s! it enables F	PS/Inverter ion. When it sed Enables Pressed it SULAR/SMF belection  out pressed Hybrid/PCU	TUBL	JLAR Battery - LED ON , SM	1F Battery - LED OFF			
Switching Element	Switches and LEC	D Indication		3	SMF/TUB		it Enable Uf Mode Select is long Press the UPS P Sett  When it is Enables TUE Battery S  When it is sl it enables F Mode So	PS/Inverter tion. When it sed Enables arameter ing.  Pressed it BULAR/SMF Selection  oort pressed dybrid/PCU election	TUBU Po Green LEE Solar used	JLAR Battery - LED ON , SM CU Mode - LED ON, Hybrid D ON - Full Solar used , Gre , Green LED OFF - No Sola	IF Battery - LED OFF  Mode - LED OFF  en LED Blinking - Partial ir used , Red LED ON - PV			
Operating Mode   HYBRID/PCU LITE/PCU ULTRA   Hybrid   Float	Display			3 4 5 Battery Vo	SMF/TUB Hybrid/PCL Only LED	J Charging Curr d in % on Batt	it Enable Uf Mode Select Mode Select Mode Select When it is Enables TUE Battery S When it is sl it enables I Mode Si  Solar Status ent, Grid Char ery, Load in %	PS/Inverter tion. When it is to the Man it is to the Man it is to the Man it is the Ma	TUBL  Green LEE Solar used Reverse Solar Load C rging Mode, i	JLAR Battery - LED ON , SM CU Mode - LED ON, Hybrid D ON - Full Solar used , Gre , Green LED OFF - No Sola Protection, Red LED OFF - urrent, Grid Voltage, Grid F Protection, Charging Mode	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial or used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar			
SPV Charging	Display Parameters (Sola	ır)		3 4 5 Battery Vo	SMF/TUB Hybrid/PCL Only LED	J Charging Curr d in % on Batt	it Enable Uf Mode Select Mode Select Mode Select When it is Enables TUE Battery S When it is sl it enables I Mode Si  Solar Status ent, Grid Char ery, Load in %	PS/Inverter iton. When it is sed Enables arameter ing.  Pressed it BULAR/SMF belection hort pressed Hybrid/PCU election  Green/Red  ging Current, on Solar, Chaoroking Mode (	TUBL Green LEE Solar used Reverse Solar Load C rging Mode, (Hybrid/PCU	JLAR Battery - LED ON , SM CU Mode - LED ON, Hybrid D ON - Full Solar used , Gre , Green LED OFF - No Sola Protection, Red LED OFF - urrent, Grid Voltage, Grid F Protection, Charging Mode	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial or used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar			
Voltage	Display  Parameters (Sola Switching Elemer Operating Mode	ur) it	E/PCU ULTRA	3 4 5 Battery Vo	SMF/TUB Hybrid/PCL Only LED	J Charging Curr d in % on Batt	it Enable Uf Mode Select Mode Select Mode Select When it is Enables TUE Battery S When it is sl it enables I Mode Si  Solar Status ent, Grid Char ery, Load in %	PS/Inverter tion. When it is sed Enables tarameter ting.  Pressed it BULAR/SMF Selection  nort pressed Hybrid/PCU election  Green/Red  Green/Red  MO  Hy  MO  MO  MO	TUBL  Green LEE Solar used Reverse Solar Load C rging Mode, (Hybrid/PCU	JLAR Battery - LED ON , SM CU Mode - LED ON, Hybrid D ON - Full Solar used , Gre , Green LED OFF - No Sola Protection, Red LED OFF - urrent, Grid Voltage, Grid F Protection, Charging Mode	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial or used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar			
Voltage	Display  Parameters (Sola Switching Elemer Operating Mode	ur) nt HYBRID/PCU LITI		3 4 5 Battery Vo	SMF/TUB Hybrid/PCL Only LED	J Charging Curr d in % on Batt	it Enable Uf Mode Select Mode Select Mode Select When it is Enables TUE Battery S When it is sl it enables I Mode Si  Solar Status ent, Grid Char ery, Load in %	PS/Inverter tion. When it is sed Enables tarameter ting.  Pressed it BULAR/SMF telection  nort pressed tlybrid/PCU telection  ging Current; on Solar, Cha orking Mode (  MO  Hy P	TUBL  Green LEE Solar used Reverse Solar Load C rging Mode, (Hybrid/PCU SFET Tobrid WM	JLAR Battery - LED ON , SM CU Mode - LED ON, Hybrid D ON - Full Solar used , Gre , Green LED OFF - No Sola Protection, Red LED OFF - urrent, Grid Voltage, Grid F Protection, Charging Mode Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial or used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar	14.2V - 15.5V		
Efficiency ≥97%  Solar Current Min.	Display Parameters (Sola Switching Elemer Operating Mode Type of charger SPV Charging Voltage	ur) nt HYBRID/PCU LITI	Boost Float	3 4 5 Battery Vo	SMF/TUB Hybrid/PCL Only LED	J Charging Curr d in % on Batt	it Enable UI Mode Select is long Press the UPS P Sett  When it is Enables TUE Battery S  When it is sf it enables I Mode Si Solar Status  ent, Grid Char ery, Load in % tatus, Solar W	PS/Inverter tion. When it sed Enables transeter ting.  Pressed it BULAR/SMF belection  nort pressed Hybrid/PCU election  Green/Red  MO Hyb P 15V±0.02V 14.2V±0.02V	Green LEC Solar used Reverse Solar Load C rging Mode, l (Hybrid/PCU SFET brid WM (Each Batter) (Each Batter)	JLAR Battery - LED ON , SM CU Mode - LED ON, Hybrid D ON - Full Solar used , Gre , Green LED OFF - No Sola Protection, Red LED OFF - urrent, Grid Voltage, Grid F Protection, Charging Mode Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial or used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar	13.8V - 14.5V		
Solar Current Max.         30A         50A           Input Voltage Range (Min - Max) Voc         17V - 25V         31V - 45V           Maximum PV Power Recommended         550W         1000W         1800W         2000W           Parameters (Environment)           Operating Temperature         0 - 50°C         Cooling         Fan         Cooling         Max. Relative Humidity@25°C (Non-condensing)         95%         Noise @Inetre         50dB         Standard Compliance         IP20         Standard Compliance         IP20         Weight (Kg) Gross         9.4kg         10.0kg         12.0kg         16.0kg         18.0kg         Dimension LxWxH (mm)         395X385X225         395X385X270	Display  Parameters (Sola Switching Elemer Operating Mode Type of charger SPV Charging Voltage SPV Charging	ir) 1t HYBRID/PCU LITI TUB	Boost Float Boost	3 4 5 Battery Vo	SMF/TUB Hybrid/PCL Only LED	J Charging Curr d in % on Batt	it Enable UI Mode Selects the UPS F Sett  When it is Enables TUE Battery S  When it is sf it enables i Mode Si  Solar Status  ent, Grid Char ery, Load in % tatus, Solar W	PS/Inverter ition. When it it sed Enables larameter ing.  Pressed it BULAR/SMF selection  nort pressed lybrid/PCU election  Green/Red  MO  Hy P  15V±0.02V 14.2V±0.02V 14.2V±0.02V 14.3V±0.02V	TUBL  Green LEE Solar used Reverse Solar Load C rging Mode, (Hybrid/PCU SFET brid WM (Each Batter) (Each Batter (Each Batte	JLAR Battery - LED ON , SM  CU Mode - LED ON, Hybrid  D ON - Full Solar used , Gre , Green LED OFF - No Sola  Protection, Red LED OFF -  urrent, Grid Voltage, Grid F  Protection, Charging Mode  Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial or used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar	13.8V - 14.5V 13.5V - 14.5V		
Input Voltage Range (Min - Max) Voc	Display  Parameters (Sola Switching Elemer Operating Mode Type of charger SPV Charging Voltage SPV Charging Voltage Efficiency	r) nt HYBRID/PCU LITI TUB SMF	Boost Float Boost	3 4 5 Battery Vo	SMF/TUB Hybrid/PCL Only LED	J Charging Curr d in % on Batt	it Enable UI Mode Select is long Press the UPS P Sett  When it is Enables TUE Battery S  When it is st it enables I Mode Si Solar Status  ent, Grid Char ery, Load in % tatus, Solar W	PS/Inverter iton. When it sed Enables arameter ing.  Pressed it 3ULAR/SMF Selection hort pressed Hybrid/PCU election  Green/Red  MO  HyP  15V±0.02V  14.2V±0.02V  13.3V±0.02V  13.9V±0.02V	Green LEE Solar used Reverse Solar Load C rging Mode, (Hybrid/PCU SFET brid WM (Each Batter ('Each Batter ('Each Batter ('Each Batter) ('Each Batter)	JLAR Battery - LED ON , SM CU Mode - LED ON, Hybrid D ON - Full Solar used , Gre , Green LED OFF - No Sola Protection, Red LED OFF - urrent, Grid Voltage, Grid F Protection, Charging Mode Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial or used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar	13.8V - 14.5V 13.5V - 14.5V		
Maximum PV Power Recommended         550W         1000W         1800w         2000w           Parameters (Environment)           Operating Temperature         0 - 50°C         ————————————————————————————————————	Display  Parameters (Sola Switching Elemer Operating Mode Type of charger Voltage SPV Charging Voltage SPV Charging Voltage Efficiency Solar Current Min	r)  It  HYBRID/PCU LITI  TUB  SMF	Boost Float Boost	3 4 5 Battery Vo Output Free	SMF/TUB  Hybrid/PCU  Only LED  Itage, Solar quency, Load	J Charging Curr d in % on Batt	it Enable UI Mode Select is long Press the UPS P Sett  When it is Enables TUE Battery S  When it is st it enables I Mode Si Solar Status  ent, Grid Char ery, Load in % tatus, Solar W	PS/Inverter iton. When it sed Enables arameter ing.  Pressed it 3ULAR/SMF Selection hort pressed Hybrid/PCU election  Green/Red  MO  HyP  15V±0.02V  14.2V±0.02V  13.3V±0.02V  13.9V±0.02V	Green LEEC Solar used Reverse Solar Load C rging Mode, (Hybrid/PCU SFET brid WM (Each Batter) (Each Batter (Each Batte ('Each Batte '('Each Batte ') will act like S	JLAR Battery - LED ON , SM  CU Mode - LED ON, Hybrid  O ON - Full Solar used , Gre , Green LED OFF - No Sola Protection, Red LED OFF - urrent, Grid Voltage, Grid F Protection, Charging Mode Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial or used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar	13.8V - 14.5V 13.5V - 14.5V		
Operating Temperature         0 - 50°C           Cooling         Fan           Max. Relative Humidity@25°C (Non-condensing)         95%           Noise @ Imetre         50dB           Standard Compliance         IP20           Weight (Kg) Gross         9.4kg         10.0kg         12.0kg         16.0kg         18.0kg           Dimension LXWXH (mm)         390X335X225         395X385X270         395X385X270	Display  Parameters (Sola Switching Elemer Operating Mode Type of charger SPV Charging Voltage SPV Charging Voltage SPV Charging Voltage SPV Charging Voltage Solar Current Min Solar Current Main Input Voltage Rar	r)  t  HYBRID/PCU LITI  TUB  SMF  b.  X.  Tge (Min - Max) Vo	Boost Float Boost Float	3  4  5  Battery Vo Output Free	SMF/TUB  Hybrid/PCL  Only LED  Itage, Solar quency, Load	Charging Curri d in % on Batt Availability S	it Enable UI Mode Selecties Is long Press the UPS F Sett  When it is Enables TUE Battery S  When it is sf it enables it Mode Si  Solar Status  Solar Status  >1A (Belov	PS/Inverter iton. When it sed Enables arameter ing.  Pressed it 3ULAR/SMF Selection hort pressed Hybrid/PCU election  Green/Red  MO  HyP  15V±0.02V  14.2V±0.02V  13.3V±0.02V  13.9V±0.02V	Green LEE Solar used Reverse Solar Load C rging Mode, (Hybrid/PCU SFET brid WM (Each Batter) (Each Batter) (Each Batte (Each Batte (Each Batte )7% will act like S	JLAR Battery - LED ON , SM  CU Mode - LED ON, Hybrid  D ON - Full Solar used , Gre , Green LED OFF - No Sola  Protection, Red LED OFF -  urrent, Grid Voltage, Grid F  Protection, Charging Mode  Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial ir used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar FF	13.8V - 14.5V 13.5V - 14.5V		
Max. Relative Humidity@25°C (Non-condensing)       95%         Noise @ Imetre       50dB         Standard Compliance       IP20         Weight (Kg) Gross       9.4kg       10.0kg       12.0kg       16.0kg       18.0kg         Dimension LxWxH (mm)       390X335X225       395X385X270	Display  Parameters (Sola Switching Elemer Operating Mode Type of charger SPV Charging Voltage Efficiency Solar Current Mai Input Voltage Rar Maximum PV Pow	TUB SMF  SMF  X. geg (Min - Max) Vower Recommendee	Boost Float Boost Float	3  4  5  Battery Vo Output Free	SMF/TUB  Hybrid/PCL  Only LED  Itage, Solar quency, Load	Charging Curri d in % on Batt Availability S	it Enable UI Mode Selecties Is long Press the UPS F Sett  When it is Enables TUE Battery S  When it is sf it enables it Mode Si  Solar Status  Solar Status  >1A (Belov	PS/Inverter ition. When it sed Enables arameter ing.  Pressed it 3ULAR/SMF Selection  nort pressed Hybrid/PCU election  Green/Red  MO Hyp 15V±0.02V 14.2V±0.02V 14.3V±0.02V 13.9V±0.02V	Green LEE Solar used Reverse Solar Load C rging Mode, (Hybrid/PCU SFET brid WM (Each Batter) (Each Batter) (Each Batte (Each Batte (Each Batte )7% will act like S	JLAR Battery - LED ON , SM  CU Mode - LED ON, Hybrid  D ON - Full Solar used , Gre , Green LED OFF - No Sola  Protection, Red LED OFF -  urrent, Grid Voltage, Grid F  Protection, Charging Mode  Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial ir used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar FF	13.8V - 14.5V 13.5V - 14.5V		
Noise @1metre         50dB           Standard Compliance         IP20           Weight (Kg) Gross         9.4kg         10.0kg         12.0kg         16.0kg         18.0kg           Dimension LXWXH (mm)         390X335X225         395X385X270         395X385X270	Display  Parameters (Sola Switching Elemer Operating Mode Type of charger SPV Charging Voltage SPV Charging Voltage Efficiency Solar Current Min Solar Current Min Input Voltage Rar Maximum PV Pov Parameters (Envi) Operating Tempe	TUB SMF  1.  X.  1.  1.  X.  1.  X.  1.  X.  1.  X.  1.  X.  Y.  Y.  Y.  Y.  Y.  Y.  Y.  Y.  Y	Boost Float Boost Float	3  4  5  Battery Vo Output Free	SMF/TUB  Hybrid/PCL  Only LED  Itage, Solar quency, Load	Charging Curri d in % on Batt Availability S	it Enable UI Mode Selecties Is long Press the UPS F Sett  When it is Enables TUE Battery S  When it is sf it enables it Mode Si  Solar Status  Solar Status  >1A (Belov	PS/Inverter ition. When it is ised Enables 'arameter ing.  Pressed it BULAR/SMF selection  or t pressed itybrid/PCU election  Gereen/Red  MO Hy PY 15V±0.02V 14.2V±0.02V 14.3V±0.02V 13.9V±0.02V w1A, System	Green LEEL Solar used Reverse Solar Load C rging Mode, (Hybrid/PCU SFET brid WM (Each Batter (Each Batter (Each Batte (Each Batter) 77% will act like \$ 51	JLAR Battery - LED ON , SM  CU Mode - LED ON, Hybrid  D ON - Full Solar used , Gre , Green LED OFF - No Sola  Protection, Red LED OFF -  urrent, Grid Voltage, Grid F  Protection, Charging Mode  Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial ir used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar FF	13.8V - 14.5V 13.5V - 14.5V		
Standard Compliance         IP20           Weight (Kg) Gross         9.4kg         10.0kg         12.0kg         16.0kg         18.0kg           Dimension LXWxH (mm)         390X335X225         395X385X270	Display  Parameters (Sola Switching Elemer Operating Mode Type of charger SPV Charging Voltage SPV Charging Voltage Efficiency Solar Current Min Solar Current Min Folar Current Maximum PV Pov Parameters (Envi Operating Tempe Cooling	TUB SMF   X  ge (Min - Max) V(wer Recommender ronment) rature	Boost Float Boost Float	3  4  5  Battery Vo Output Free	SMF/TUB  Hybrid/PCL  Only LED  Itage, Solar quency, Load	Charging Curri d in % on Batt Availability S	it Enable UI Mode Selecties Is long Press the UPS F Sett  When it is Enables TUE Battery S  When it is sf it enables it Mode Si  Solar Status  Solar Status  >1A (Belov	PS/Inverter ition. When it is sed Enables tarameter ing.  Pressed it BULAR/SMF selection  nort pressed tybrid/PCU election  Green/Red  MO Hy PP 15V±0.02V 14.2V±0.02V 14.3V±0.02V 13.9V±0.02V 14.3V±0.02V 13.9V±0.02V 14.3V±0.02V 16.5V W 1A. System	Green LEE Solar used Reverse Solar Load C rging Mode, e, (Hybrid/PCU SFET brid WM (Each Batter (Each Batter (Each Batter )7% will act like \$ 50°C fan	JLAR Battery - LED ON , SM  CU Mode - LED ON, Hybrid  D ON - Full Solar used , Gre , Green LED OFF - No Sola  Protection, Red LED OFF -  urrent, Grid Voltage, Grid F  Protection, Charging Mode  Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial ir used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar FF	13.8V - 14.5V 13.5V - 14.5V		
Dimension LxWxH (mm)         390X335X225         395X385X270	Display  Parameters (Sola Switching Elemer Operating Mode Type of charger SPV Charging Voltage Efficiency Solar Current Mainput Voltage Rar Maximum PV Pov Parameters (Envi Operating Tempe Cooling Max. Relative Hur Noise @ Imetre	TUB SMF  A.  X.  Tuge (Min - Max) Vower Recommender ronnient) rature midity@25°C (Non	Boost Float Boost Float	3  4  5  Battery Vo Output Free	SMF/TUB  Hybrid/PCL  Only LED  Itage, Solar quency, Load	Charging Curri d in % on Batt Availability S	it Enable UI Mode Selecties Is long Press the UPS F Sett  When it is Enables TUE Battery S  When it is sf it enables it Mode Si  Solar Status  Solar Status  >1A (Belov	PS/Inverter tion. When it is to Men it is to Men it is sed Enables trammeter ing.  Pressed it BULAR/SMF selection  nort pressed Hybrid/PCU election  MO Hy 15V ± 0.02V 14.2V ± 0.02V 14.2V ± 0.02V 14.3V ± 0.02V 13.9V ± 0.02V w 1A, System  0 F 9 55	Green LEC Solar Used Reverse Solar Load C rging Mode, (Hybrid/PCU SFET brid WM (Each Batter) (Each B	JLAR Battery - LED ON , SM  CU Mode - LED ON, Hybrid  D ON - Full Solar used , Gre , Green LED OFF - No Sola  Protection, Red LED OFF -  urrent, Grid Voltage, Grid F  Protection, Charging Mode  Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial ir used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar FF	13.8V - 14.5V 13.5V - 14.5V		
	Display  Parameters (Sola Switching Elemer Operating Mode Type of charger SPV Charging Voltage SPV Charging Voltage Efficiency Solar Current Min Solar Current Min Maximum PV Pov Parameters (Envi Operating Tempe Cooling Max. Relative Hur Noise @Inette Standard Complic	TUB SMF  A.  X.  Tage (Min - Max) Vower Recommender romment) rature midity@25°C (Nonance	Boost Float Boost Float	3  4  5  Battery Vo Output Free	SMF/TUB  Hybrid/PCL  Only LED  Itage, Solar of quency, Load  170  00A  170  170	Charging Curr d in % on Batt Availability S - 25V 100	it Enable UI Mode Select is long Press the UPS P Sett  When it is Enables TUE Battery S  When it is sf it enables I Mode Si  Solar Status  **Told Char	PS/Inverter ition. When it sed Enables larameter ing.  Pressed it BULAR/SMF Selection  nort pressed Hybrid/PCU election  Green/Red  MO  Hyp  15∨±0.02∨ 14.2∨±0.02∨ 14.3∨±0.02∨ 13.9∨±0.02∨ 14.3∨±0.02∨ 13.9∨±0.02∨ 14.3∨±0.02∨ 15.9∨±0.02∨ 16.5∨  MA  O -  F  9  9  56  IFI  IFI  IFI  IFI  IFI  IFI  IFI	Green LEE Solar used Reverse Solar Load C rging Mode, [Hybrid/PCU SFET brid WM (Each Batter (Each Batter (Each Batter (Each Batter )7% will act like S 5: 18( 50°C Gran 5%	JLAR Battery - LED ON , SM CU Mode - LED ON, Hybrid D ON - Full Solar used , Gre , Green LED OFF - No Sola Protection, Red LED OFF - urrent, Grid Voltage, Grid F Protection, Charging Mode Lite/PCU Ultra), UPS ON/C	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial  Ir used , Red LED ON - PV  No Protection Selected  requency, Output Voltage,  , Solar Kwh(Saving), Solar  FF  2000w	13.8V - 14.5V 13.5V - 14.5V		
Note:- Elegant plus 3524 model support to 1HP branded submersible pumps.	Display  Parameters (Sola Switching Elemer Operating Mode Type of charger Yoltage SPV Charging Voltage SPV Charging Voltage Efficiency Solar Current Min Solar Current Min Solar Current Min Golar Current Min Golar Gurrent Min Maximum PV Pov Parameters (Envi) Operating Tempe Cooling Maximum PV Book Relative Hur Noise @ Imetre Standard Complisi Weight (Kg) Gross	TUB SMF  1.  X.  yage (Min - Max) Vower Recommender romment) rature rature and the manage of the man	Boost Float Boost Float	3  4  5  Battery Vo Output Free	SMF/TUB  Hybrid/PCL  Only LED  Itage, Solar of quency, Load  170  00A  170	Charging Curri d in % on Batt Availability S	it Enable UI Mode Select is long Press the UPS F Sett  When it is Enables TUE Battery S  When it is sf it enables i Mode Si  Solar Status  Solar Status  >1A (Below  OW	PS/Inverter ition. When it sed Enables larameter ing.  Pressed it BULAR/SMF Selection  nort pressed Hybrid/PCU election  Green/Red  MO  Hyp  15∨±0.02∨ 14.2∨±0.02∨ 14.3∨±0.02∨ 13.9∨±0.02∨ 14.3∨±0.02∨ 13.9∨±0.02∨ 14.3∨±0.02∨ 15.9∨±0.02∨ 16.5∨  MA  O -  F  9  9  56  IFI  IFI  IFI  IFI  IFI  IFI  IFI	Green LEE Solar used Reverse Solar Load C rging Mode, [Hybrid/PCU SFET brid WM (Each Batter (Each Batter (Each Batter (Each Batter )7% will act like S 5: 18( 50°C Gran 5%	JLAR Battery - LED ON , SM CU Mode - LED ON, Hybrid D ON - Full Solar used , Gre , Green LED OFF - No Sola Protection, Red LED OFF - urrent, Grid Voltage, Grid F Protection, Charging Mode Lite/PCU Ultra), UPS ON/C y) Ty) Ty) Ty) Solar Absent) OA 31V - 45V DOW	Mode - LED OFF  Mode - LED OFF  en LED Blinking - Partial ir used , Red LED ON - PV No Protection Selected requency, Output Voltage, , Solar Kwh(Saving), Solar FF  2000w	13.8V - 14.5V 13.5V - 14.5V		

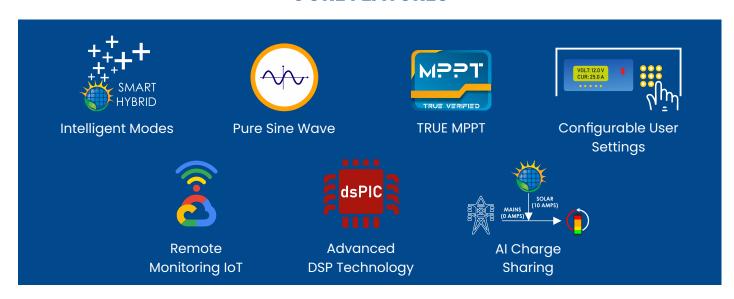


# **Flare**

#### **MPPT** Series PCU



#### **CORE FEATURES**



- Big Data Big Display
- Built-in Energy Meter
- Maximized Solar Usage through Intelligent modes.
- 40% less panel required than other PCUs
- RS-232 (Industrial Standard MODBUS)
- Incorporated with Microchip and ST DSP Engines
- Safety and Protections

- IGBT based design and Fast Charging
- Wide range MPPT Input
- 6 Stage Battery Charging
- Multiple Battery Selection
- Sleek & Aesthetic design
- Works as standalone Solar Inverter in case of No-Grid



# Elegant Plus PWM Series PCU

### **Technical Specifications**

				Flare Series N	MPPT Solar PCU						
Parameters		OTE DOLLO	3P-3548/S11		ting	OTE DOLLOGO OFOC (OT	OTE DOLLOOD 10100/015				
System Model Name Capacity			3P-3548/STI 00VA	STF-PCUOGP-5748/S11 4000VA	STF-PCUOGP-7548/S11 5500VA	STF-PCUOGP-8596/S11 7500VA	STF-PCUOGP-10120/S11 10000VA				
perating DC Voltage witching Element				48V Mosfet		96V	120V				
Charger Topology				Mosiet	Boost Mosfet	IGBT	IGBT				
Parameter (Grid)					Default Value			Variable Range			
Nominal Grid Voltage Nominal Frequency					230V 50Hz.						
requency Range					45-55 Hz ± 1 Hz.						
Grid - Battery TUD (Defe	Danat				Bulk/Absorption/Float/Equalize 14.4V ± 0.2V (Each Battery)	9		13.8V-15V			
Charging TUB (Defai	ult) Float	13.8V ± 0.2V (Each Battery)									
Grid - Battery SMF	Boost				14.2V ± 0.2V (Each Battery)			13.5V-14.2V 13.5V-14.2V			
Charging Grid - Battery	Float Default	13.8V ± 0.2V (Each Battery) 15A ± 1A									
Charging	Maximum	18A ± 1A									
Current Disable Grid Reconnect @		Charging Current 0.0A 11.7V ± 0.2V (Each Battery)									
	PS Mode Enable	170V ± 10V									
	PS Mode Disable PS Mode Enable				100V ± 10V 180V ± 10V						
Recovery UF	PS Mode Disable				110V ± 10V						
	PS Mode Enable PS Mode Disable				265V ± 10V 290V ± 10V						
Grid High Cut UPS Mode Enable					255V ± 10V						
Recovery UPS Mode Disable					280V ± 10V						
Changeover (Batt. To UPS Mode Enable/Disable					<6ms/<6ms						
Mains)											
Changeover UPS M	/lode Enable/Disable				<6ms/<30ms						
(Mains To UPS Mode Enable/Disable Batt.)											
OG Mode E	Enable/Disable			Dis	able						
Parameter (Battery Mode) Output Phase					1 Phase						
Output Waveform					Sinewave						
Iominal Output Voltage Max. Output Current			.5A	13.5A	220V ± 5% 17.5A	27A	35A				
ischarging Current			1 ± 2A	75A ± 2A	105A ± 2A	50A ± 2A	70A ± 2A				
ominal Frequency					50Hz ± 1%			50-60 Hz			
attery Low Buzzer attery Low Cut					10.8V ± .02V (Each Battery) 10.5V ± .02V (Each Battery)			BLC +0.3V 10V - 11.5V			
attery High Cut					16.5V ± .02V (Each Battery)			16.5V - 17.5V			
ypical Efficiency oltage Harmonic					≥ 84% < 3% (Linear Load)						
ortage Harmonio		UPS Mode		>110% 3-Ti		lay and 4th Time Shut Down					
			Disable Disable								
Over Load Capacity		UPS Mode >110% 1st Time Shut Down after 30 Sec Delay.									
					>150% Output Goes Down						
Protection			Overload, Battery	Low, Battery High, Over Ten	nperature, Short Circuit, PV Rev	erse, PV High, Mains Fuse Trip	o, Grid Overload				
		S.No.	Switch	Fun	ction(s)		ed Status				
		1	POWER	ON/OFF the UPS Output			N - Led ON FF - Led OFF				
				When it is short pressed i	it enables UPS/Inverter Mode	OTOTEMO	T ECC OTT				
					lection.						
					Enables the UPS Parameter etting.	UPS Mode ON - Led ON UPS Mode OFF - Led OFF					
		2	INV/UPS	The LCD Displays : "I	Edit Parameters Setting".						
					nction now change to: nter/OK Switch.						
				FOWER - EI	inter/ok switch.						
Switches and LED Indication	1										
==== maioation		3	SMF/TUB		it enables TUBULAR or SMF / Selection.		ttery - Led ON - Led OFF				
				Dattery		OWN Buttery	200 011				
				When it is Short pressed	it Enables the Hybrid or PCU	PCU Mode	- Led ON				
		4	HYBRID/PCU	Mode	Selection.	HYBRID Mod	de - Led OFF				
						Green LED ON	- Full Solar Used				
						Green LED Blinking	– Partial Solar Used				
			ONLY LED	Solar stat	us Green/Red		- No Solar Used				
		5					Reverse Protection Protection Selected				
		5				Red LED OFF - No.					
pisplav		Battery	Voltage, Solar (		ing current, Solar Load Current,	Grid Voltage, Grid Frequency, (	Output Voltage, Output				
Display		Battery	Voltage, Solar (	ery, Load in % on Solar, Char	ing current, Solar Load Current, ging Mode, Protection, Charging (HYBRID/PCU LITE/ PCU ULTRA	l Grid Voltage, Grid Frequency, ( g Mode, Solar Kwh(Saving),Sol	Output Voltage, Output				
Photovoltaic Input		Battery	Voltage, Solar (	ery, Load in % on Solar, Char Working Mode(	ging Mode, Protection, Charging	l Grid Voltage, Grid Frequency, ( g Mode, Solar Kwh(Saving),Sol	Output Voltage, Output				
Photovoltaic Input nput Voltage Range (Min - N		Battery Frequency,I	Voltage, Solar ( Load in % on Batt	ery, Load in % on Solar, Char Working Mode( 80 - 260 VDC	ging Mode, Protection, Charging (HYBRID/PCU LITE/ PCU ULTRA	Grid Voltage, Grid Frequency, g Mode, Solar Kwh(Saving),Sol N, UPS ON/OFF.	Output Voltage, Output ar availability Status, Solar 200 - 360 VDC				
hotovoltaic Input nput Voltage Range (Min - N Maximum PV Power Recomi	mended	Battery Frequency,I	Voltage, Solar (	ery, Load in % on Solar, Char Working Mode(	ging Mode, Protection, Charging	 Grid Voltage, Grid Frequency, g Mode, Solar Kwh(Saving),Sol \), UPS ON/OFF.	Output Voltage, Output ar availability Status, Solar				
Photovoltaic Input Input Voltage Range (Min - N Maximum PV Power Recomi MPPT Based Charging Contr witching Element	mended	Battery Frequency,I	Voltage, Solar ( Load in % on Batt	ery, Load in % on Solar, Char Working Mode( 80 - 260 VDC	rging Mode, Protection, Charging HYBRID/PCU LITE/ PCU ULTRA 5.5 KW Mosfet	Grid Voltage, Grid Frequency, g Mode, Solar Kwh(Saving),Sol N, UPS ON/OFF.	Output Voltage, Output ar availability Status, Solar 200 - 360 VDC				
Photovoltaic Input Input Voltage Range (Min - N Aaximum PV Power Recoming INPT Based Charging Contributioning Element Controller	mended	Battery Frequency,I	Voltage, Solar ( Load in % on Batt	ery, Load in % on Solar, Char Working Mode( 80 - 260 VDC	ging Mode, Protection, Charging HYBRID/PCU LITE/ PCU ULTRA 5.5 KW Mosfet ARM- Cortex	Grid Voltage, Grid Frequency, g Mode, Solar Kwh(Saving),Sol N, UPS ON/OFF.	Output Voltage, Output ar availability Status, Solar 200 - 360 VDC				
Photovoltaic Input nput Voltage Range (Min - N Aaximum PV Power Recomm IPPT Based Charging Contri- witching Element Controller Ype of Charger	mended	Battery Frequency,I	Voltage, Solar ( Load in % on Batt	ery, Load in % on Solar, Char Working Mode( 80 - 260 VDC	ging Mode, Protection, Chargint HYBRID/PCU LITE/ PCU ULTRA 5.5 KW Mosfet ARM- Cortex MPPT	Grid Voltage, Grid Frequency, g Mode, Solar Kwh(Saving),Sol N, UPS ON/OFF.	Output Voltage, Output ar availability Status, Solar 200 - 360 VDC				
Photovoltaic Input nput Voltage Range (Min - N Aaximum PV Power Recom MPPT Based Charging Contr switching Element Controller ype of Charger (Ficiency Parameter (Environment)	mended	Battery Frequency,I	Voltage, Solar ( Load in % on Batt	ery, Load in % on Solar, Char Working Mode( 80 - 260 VDC	ging Mode, Protection, Charging HYBRID/PCU LITE/ PCU ULTRA 5.5 KW Mosfet ARM- Cortex MPPT 95%	Grid Voltage, Grid Frequency, g Mode, Solar Kwh(Saving),Sol N, UPS ON/OFF.	Output Voltage, Output ar availability Status, Solar 200 - 360 VDC				
Photovoltaic Input pout Voltage Range (Min - Maximum PV Power Recom APPT Based Charging Contr whiching Element controller ype of Charger fficiency rarameter (Environment) pperating Temperature	mended	Battery Frequency,I	Voltage, Solar ( Load in % on Batt	ery, Load in % on Solar, Char Working Mode( 80 - 260 VDC	ging Mode, Protection, Chargint HYBRID/PCU LITE/ PCU ULTRA 5.5 KW Mosfet ARM- Cortex MPPT 95% 0 - 50°C	Grid Voltage, Grid Frequency, g Mode, Solar Kwh(Saving),Sol N, UPS ON/OFF.	Output Voltage, Output ar availability Status, Solar 200 - 360 VDC				
Photovoltaic Input Input Voltage Range (Min - N Aaximum PV Power Recom IAPT Based Charging Contri Witching Element Controller Ype of Charger (fficiency Parameter (Environment) Poerating Temperature Cooling	mended roller	Battery Frequency,I	Voltage, Solar ( Load in % on Batt	ery, Load in % on Solar, Char Working Mode( 80 - 260 VDC	ging Mode, Protection, Charging HYBRID/PCU LITE/ PCU ULTRA 5.5 KW Mosfet ARM- Cortex MPPT 95%	Grid Voltage, Grid Frequency, g Mode, Solar Kwh(Saving),Sol N, UPS ON/OFF.	Output Voltage, Output ar availability Status, Solar 200 - 360 VDC				
Photovoltaic Input Input Voltage Range (Min - N Maximum PV Power Recom MPPT Based Charging Contro Switching Element Controller Type of Charger Efficiency Parameter (Environment) Poperating Temperature Cooling Max. Relative Humidity @25 Noise @ 1 Meter	mended roller	Battery Frequency,I	Voltage, Solar ( Load in % on Batt	ery, Load in % on Solar, Char Working Mode( 80 - 260 VDC	ging Mode, Protection, Chargint HYBRID/PCU LITE/ PCU ULTRA 5.5 KW Mosfet ARM- Cortex MPPT 95% 0 - 50°C Fan 95% 50dB	Grid Voltage, Grid Frequency, g Mode, Solar Kwh(Saving),Sol N, UPS ON/OFF.	Output Voltage, Output ar availability Status, Solar 200 - 360 VDC				
hotovoltaic Input Input Voltage Range (Min - N faximum PV Power Recom IRPT Based Charging Contr witching Element ontroller ype of Charger fficiency arameter (Environment) perating Temperature oooling fax. Relative Humidity @25	mended roller	Battery Frequency,I	Voltage, Solar ( Load in % on Batt	ery, Load in % on Solar, Char Working Mode( 80 - 260 VDC	ging Mode, Protection, Charging HYBRID/PCU LITE/ PCU ULTRA  5.5 KW  Mosfet  ARM- Cortex  MPPT  95%  0 - 50°C  Fan  95%	Grid Voltage, Grid Frequency, g Mode, Solar Kwh(Saving),Sol N, UPS ON/OFF.	Output Voltage, Output ar availability Status, Solar 200 - 360 VDC				



# INDIA'S **MOST TRUSTED**





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Safiabad Plant: Killa No. 14/6/1/2 (0-3), 6/2/3 (5-13) Village-Safiabad, Pana Paposhian, Rai, Sonipat, Haryana-131029









