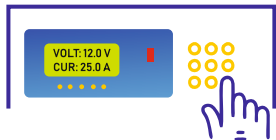


HERITAGE

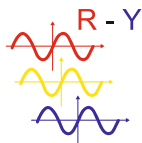
ONLINE MPPT OFF-GRID PCU



CORE FEATURES



CONFIGURABLE
USER SETTINGS



3 PHASE STAR/
DELTA



TRUE MPPT



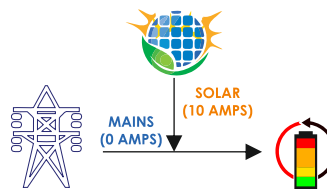
REMOTE
MONITORING IoT



ADVANCED
DSP TECHNOLOGY



GALVANIC
ISOLATION



AI CHARGE
SHARING

- 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

HERITAGE - 3 PHASE ONLINE PCU WITH MPPT CHARGE CONTROLLER														
Technical Specifications														
Parameters	Units	Rating												
Model	HERITAGE	5KVA	7.5KVA	10KVA	15KVA	20KVA	30KVA	40KVA	50KVA	60KVA	80KVA	100KVA	120KVA	150KVA
Operating DC Voltage	Volts	240V	240V	240V	240V	240V	360V	360V	360V	384/480V	480V	480V	480V	480V
SPV Parameters														
Max SPV Power	KW	5KW	7.5KW	10KW	15KW	20KW	30KW	40KW	50KW	60KW	80KW	100KW	120KW	150KW
Compatible SPV Panels		36 / 60 / 72 Cell												

MPPT Based Charge Controller		
Switching Element	IGBT Module	
Controller	DSP	
Efficiency	> 95%	
Max Current From Solar	60 Amps	
Battery Charging Stages	5 (Softstart, Boost, Absorbion, Float, Equalise)	
Battery		
Low Cut Off	Volts	10.5 / Battery +/-2%
Low Cut Off Recovery	Volts	11.5 / Battery +/-2%
Low Buzzer	Volts	10.7 / Battery +/-2%
High Cut Off	Volts	15.5 / Battery +/-2%
High Cut Off Recovery	Volts	15.0 / Battery +/-2%
Boost Charging Volt by SPV	Volts	14.5 / Battery +/-2%
Boost Charging Volt by Grid	Volts	14.0 / Battery +/-2%
Charging Current by Grid	Amps	10A +/-2%
No Load Battery Current	%	0.02
Output		
Output@ No load	Volts	415 V AC +/- 2%
Output Frequency	Hz	50 +/-2%
Overload Capacity	-	100% - 120% : 60 Seconds with 3 Times Auto Reset, 120%-150% : 5 Second,>150%:1 Second
Output Low Retry	-	1 Time
Output Short Circuit	-	1 Time
Grid		
No of Phase	-	380V-480V 3 PHASE 4 WIRE(R,Y,B,N)
Frequency Range	Hz	45-55 Hz+/-10%
Power Factor	-	0.95
Charger Topology	-	Buck/ Buck-Boost
Display		
Display	Alphanumeric	20X4 LCD
Parameters	Output	Voltage (R,Y,B) , Current (R,Y,B), Power (R,Y,B) and Frequency (R,Y,B)
	Input (Grid)	Voltage(R,Y,B) and Frequency(R,Y,B)
	Solar	Voltage, Current, Power and Energy (Optional)
	Battery	Voltage, Current, Level (Bar Graph)
	Status/Faults	Inverter Status, Mains Status, Charger Status, Solar Status and Battery Status/Charging Stages
Inverter		
Switching Element	-	IGBT Module
Output Waveform	-	Digitally Filtered Pure Sine Wave
Changeover(Mains to Inverter)	ms	0 ms
Output Power Factor	pf	0.8
Overload Retry	-	3 Times
Indication (LED)	-	Inverter On, Mains In Range, Battery Low/High, Charger On, Overload, Faults
Alarm (Audible)	-	Battery Low, Overload, Charger On, Inverter On, Solar Charger On
Protection	-	Overload, Short Circuit Protection, Over Voltage, SPV Surge and Transient protection (MOV Varistors), Reverse Polarity of Battery, Over temperature Protection, Under Voltage and Over Voltage Protection
Cooling	-	Forced Air cooling(Temp Controlled)
Communication	-	Remote Monitoring System (Over GPRS / BLE and Wifi) or RS232
Operating Temp	C	0-50
Operating Humidity	%	95
Protection class	-	IP20

*Due to continuous improvement technical specifications & product image can change without prior notice.