TECHNICAL SPECIFICATIONS OF SOLAR OFFGRID HYBRID POWER PACK

Model	SOHPP M0180 SOHUC0400 B125	SOHPP M0375 SOHUC0800 B240	SOHPP M0750 SOHUC1500 B240X2	SOHPP M1500 SOHUC3000 B240X4	SOHPP M3000 SOHUC6000 B240X8
SOHUC	**SOHUC U0400 CC20 12V**	**SOHUC U0800 CC40- 12V**	**SOHUC U1500 CC40 24V**	**SOHUC U3000 CC40 48V**	**SOHUC U6000 CC40 96V**
Input Voltage (UPS)	180-260V	180-260V	180-260V	180-260V	180-260V
Input Voltage (INV)	90-280V	90-280V	90-280V	90-280V	90-280V
Output Voltages on mains mode	Same as input	Same as input	Same as input	Same as input	Same as input
Out Voltage on inverter mode	220 +/- 5%	220 +/- 5%	220 +/- 5%	220 +/- 5%	220 +/- 5%
Output frequency on inverter mode	50Hz +/- 0.1Hz	50Hz +/- 0.1Hz	50Hz +/- 0.1Hz	50Hz +/- 0.1Hz	50Hz +/- 0.1Hz
Output VA	320 VA	640 VA	1200 VA	2400 VA	4800 VA
Switching from mains to inverter and inverter to mains.	Automatic	Automatic	Automatic	Automatic	Automatic
Switching from mains to UPS and from UPS to Mains	Automatic	Automatic	Automatic	Automatic	Automatic
Output Wave form on mains mode.	Same as input	Same as input	Same as input	Same as input	Same as input
Output Wave form on inverter mode.	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Technology	DSP based design	DSP based design	DSP based design	DSP based Design	DSP based design
Efficiency during inverter Mode	>80%	>80%	>80%	>80%	>80%
inverter Overload	120%	120%	120%	120%	120%
Auto reset feature on Overload	Yes	Yes	Yes	Yes	Yes
inverter short circuit	300%	300%	300%	300%	300%
Battery low Cutoff	10.5V	10.5V	21V	42V	84V
Auto reset feature on battery low	Yes	Yes	Yes	Yes	Yes
Technology of charge controller	PWM Technology	PWM Technology	PWM Technology	PWM Technology	PWM Technology
Capacity of In built charge controller	20 Amps	40 Amps	40 Amps	40 Amps	40 Amps
Charger (Mains mode)	Power factor controlled boost technology	Power factor controlled boost technology	Power factor controlled boost technology	Power factor controlled boost technology	Power factor controlled boost technology
Efficiency (Mains mode)	80%	80%	80%	80%	80%
Battery charging current	6 Amps	10 Amps	10 Amps	10 Amps	10 Amps
Battery Full Charge Cutoff	13.8 VDC	13.8 VDC	27.6 VDC	55.2 VDC	110.4 VDC
SPECIFICATIONS OF SOLAR P.V. MODULE					
Input Voltage from PV Module	Voc=21V , Vm=17V +/- 1V	Voc=21V , Vm=17V +/- 1V	Voc=42V , Vm=34V +/- 1V	Voc=84V , Vm=68V +/- 1V	Voc=168V , Vm=136V +/-1V
Output charging Voltage	Suitable for 12V Battery	Suitable for 12V Battery	Suitable for 24V Battery	Suitable for 48V Battery	Suitable for 96V Battery
Total P.V. module wattage	180 WATTS	375 WATTS	750 WATTS	1500 WATTS	3000 WATTS
SPECIFICATIONS OF BATTERY					
Battery Voltage	12 V	12V	24V	48V	96V
No of batteries of 12V	1	1	2	4	8
Battrey Ah per battery @ C20	125 Ah	240Ah	240Ah	240Ah	240Ah