



- 

Operates at <30 dB
- 

Decade-Long Warranty
- 

Dual/Quad MPPT Trackers
- 

Intelligent BMS Safe charging
- 

Seamlessly Integration
- 

Built-in Wi-Fi/GPRS
- 

98.6% Efficiency
- 

Supports All Battery Types (LV)
- 

IP66 Protection
- 

Superior Heat Dissipation
- 

Advanced EMI Filters
- 

Smart load Management Via Mobile App



PRODUCT SPECIFICATIONS



Parameter	HPT-3000	HPT-6000
INPUT / DC		
Max. PV Power (Wp)	6000	12000
Max. Input Voltage (V)	600	
Start up Voltage (V)	70	
MPPT Voltage Range (V)	80-550	
Rated Input Voltage	360	
Max. Input Current (A)	16/16	
BATTERY INPUT		
Battery Type	Lithum / Lead Acid	
Input Voltage Range	40-60	
Max. Charging Discharging Current (A)	70	120
Rated Battery Voltage	48	
Max. Charging Discharging Current (V)	<=60 (Adjustable)	
AC OUTPUT		
Rated Power (W)	3000	6000
Max. Apparent Power (VA)	3300	6600
Max. Apparent Power From Frid (VA)	6600	10000
Rated Grid Voltage / V	220/230/240	
Rated Grid Frequency / Hz	50/60	
Rated Output Current	13	26.
Max.Output Current	14.3	28.7
Max. Current From Grid	28.7	40
Power Factor	0.8-0.8cap	
THDI @Rated Power	<3%	
Grid Connection	L-NPE	
EFFICIENCY / PROTECTION		
MPPT Efficiency	99.90%	
Max Efficiency	98.00%	
Charged Efficiency	96.00%	
Charge/Discharge Efficiency@Batter<-> Grid/Load	95.00%	
Anti-Islanding and PV String RP Protection	Integrated	
Surge Protection	DC Type II AC Type II	
Over Circuit Protection	Integrated	
Short Circuit Protetion / Over Voltage		
Battery Reverse / Terminal Temerature Protection		
GENERAL DATA		
Dimensions (W*H*D) / mm	455*365*182	
Weight / kg	18.4	
Communication with Cloud	RS485/Wi-Fi/4G/LAN(optional)	
Communication with BMS	CAN/RS485	
Operating Ambient Temperature	-30~+60	
Degree of Protection	IP65	

