

Powermate T5/T6/T8/T10 Three-phase Residential ESS



Inverter Max efficiency 98.4%,
Battery efficiency 98%.



Max, Charge/Discharge Current
50A.



20kWh ~ 40kWh expandable
capacity.



10-year warranty.



Cable-free stackable architect-
ure.



Compatible with third party in-
verters.



Model	PowermateT5	PowermateT6	PowermateT8	PowermateT10
Input (PV)				
Max PV Power	9000W	9000W	15000W	15000W
Max PV Voltage	1000V			
Max Input Current (PerMPPT)	15A/15A	15A/15A	20A/30A	20A/30A
Max Short Current (InputA/InputB)	20A/20A		30A/40A	
MPPT Voltage Range	160V-950V			
Input (BAT)				
Compatible Batterytype	Lithium-ion/Lead-acid			
Nominal Battery Voltage	200V-600V			
Max.Charge/Discharge Current	25A/25A	25A/25A	50A/50A	50A/50A
Max.Charge/Discharge Power	9000W/5800W	9000W/7000W	15000W/9300W	15000W/10500W
Output (Grid)				
Nominal AC Output Power	5000W	6000W	8000W	10000W
Max.AC Output Current	3*8.3A	3*10A	3*13.3A	3* 16.7A
Rated AC Voltage	380V/400V/415V,3W+N+PE			
Grid Connection	Three-Phase			
Output (Backup)				
Nominal Output Voltage	230V			
Nominal Output Power	5000W	6000W	8000W	10000W
Nominal Output Current	3*7.6A	3*9.1A	3*12.2A	3* 15.2A
General				
Protection Grade	IP65			
Operating Temperature Range[°C]	-25°C~45°C			
Cooling Method	Natural Cooling			
Mounting	Wall Bracket			
Dimensions (W*H*D)	530mm*550mm*212mm			
Weight	30Kg		32Kg	
HMI&COM				
Communication Interface	CAN/RS485(forBMS),DRM/RCR(forDI)/RS485(forMeter)1*DO, USB(Firmwareupgrade),Optional:WiFi/GPRS/4G/Ethernet			
Certification				
Safety	EN50549-1,IEC62109-1&2			
Grid	VDE-AR-N4105			
Model				
PowermatePackT5				
Cell Technology	Lithium-ion(LFP)			
System Capacity	20kWh~40kWh			
Pack Capacity	5.12kWh			
System Voltage	204.8V~409.6V			
Pack Operating Voltage Range	43.2-58.4V			
Cycle Life	6,000cycles[90%DOD25°C]			
Max.Charge/Discharge Power	5.12kW			
Max.Charge/Discharge Current	100A/100A ,1C/1C			
Available Charge/ Discharge Temperature Range	-20~+55°C			
Protection Grade	IP65			
Dimensions(W*H*D)	660*160*400mm			
Weight	52kg			
Certification	UN38.3.MSDS.U1973.IEC62619			