

# SPE 15KTL3 HVM

## Hybrid solar inverter

- Two AC input terminals with integrated transfer switch
- Support WiFi/4G remote monitoring
- Featuring grid-tied function for peak shaving
- Support parallel operation for capacity expansion up to 90kW.
- Dual outputs for smart load management
- Settable charging current & charging time for generator and grid



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P O W E R  
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T O M O R R O W

preliminary

Datasheet	SPE 15KTL3 HVM	
Input data (DC)		
Max. recommended PV power (for module STC)		18000W
Start voltage		160±5V
MPP voltage range		200V~850V
No. of MPP trackers		2
No. of PV strings per MPP tracker		1
Max. input current per MPP tracker		25A+25A
Max. DC voltage		1000V
Output data (AC)		
AC nominal power		15000W
Max. AC apparent power		15000VA
Output current		21.7A(per phase)
Nominal AC voltage		230V(P-N)/400V(P-P)
AC grid frequency		50/60Hz
Adjustable power factor		0.8leading...0.8lagging
THDi		< 5%
Battery data (DC)		
Nominal DC voltage		48V
Battery voltage range		40~60V
Max charging and discharging current		300A/300A
Battery overcharge protection		60V
Backup power (AC)		
AC nominal output power		15000W
Nominal AC output voltage		230V(P-N)/400V(P-P)
Nominal AC output frequency		50/60Hz
Switch time		10ms typical, RCD 20ms Max@ Single <30ms @ Parallel
Efficiency		
Peak. efficiency		96%
European efficiency		95%
General data		
Dimensions (W / H / D)		600/500/150mm
Weight		25.5kg
Operating temperature range		-20°C ... +50°C
Topology		Tranformerless
Cooling		DC fan
Protection degree		IP20
Relative humidity		5%~95% non-considering
Altitude		< 2000m
Communication		WiFi/4G