



TD(3.6-6)K-SPLVES1-EU

Single-Phase low Voltage
Residential Hybrid Inverter



Colorful touch LCD, IP65 protection degree

6

6 time periods for battery charging/discharging

135

Max. charging/discharging current of 135 A

5

Frequency droop control. Max. 5 pcs parallel



DC couple and AC couple to retrofit existing solar system



Support storing energy from diesel generator

Follow TD



Model	TD3.6K-SPLVES1-EU	TD4K-SPLVES1-EU	TD4.6K-SPLVES1-EU	TD5K-SPLVES1-EU	TD6K-SPLVES1-EU
Battery Input Data					
Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range (V)	40~60				
Max. Charging Current (A)	90	100	110	120	135
Max. Discharging Current (A)	90	100	110	120	135
Charging Curve	3 Stages / Equalization				
External Temperature Sensor	Yes				
Charging Strategy for Li-Ion Battery	Self-adaption to BMS				
PV String Input Data					
Max. DC Input Power (W)	4680	5200	5980	6500	7800
PV Input Voltage (V)	370 (100~500)				
MPPT Range (V)	125~425				
Full Load DC Voltage Range (V)	240~425				
Start-up Voltage (V)	150				
PV Input Current (A)	18+18				
Max. PV ISC (A)	27 +27				
No.of MPPT Trackers	2				
No.of Strings Per MPPT Tracker	1+1				
AC Output Data					
Rated AC Output and UPS Power (W)	3600	4000	4600	5000	6000
Max. AC Output Power (W)	3960	4400	5060	5500	6600
AC Output Rated Current (A)	15.7	17.4	20.0	21.7	26.1
Max. AC Current (A)	18.0	19.1	22.0	25.0	28.7
Max. Continuous AC Passthrough (A)	35				
Power Factor	0.8 leading to 0.8 lagging				
Output Frequency and Voltage	50/60Hz; 220/230 / 240Vac (single phase)				
Grid Type	Single Phase				
Current Harmonic Distortion	THD<3% (Linear load<1.5%)				
On-grid and off-grid switching time	<4ms				
Efficiency					
Max. Efficiency	97.60%				
Euro Efficiency	96.50%				
MPPT Efficiency	99.90%				
Protection					
PV Input Lightning Protection	Integrated				
Anti-islanding Protection	Integrated				
PV String Input Reverse Polarity Protection	Integrated				
Insulation Resistor Detection	Integrated				
Residual Current Monitoring Unit	Integrated				
Output Over Current Protection	Integrated				
Output Shorted Protection	Integrated				
Output Over Voltage Protection	Integrated				
Surge protection	DC Type II / AC Type II				
Certifications and Standards					
Grid Regulation	IEC61727,IEC62116,IEC61683,NRS 097-2-1				
Safety Regulation	IEC62109-1,IEC62109-2				
EMC	IEC61000-6-1,IEC61000-6-3				
General Data					
Operating Temperature Range (℃)	-25~60℃, >45℃ Derating				
Cooling	Smart cooling				
Noise (dB)	<30 dB				
Communication with BMS	RS485; CAN				
Weight (kg)	20.5				
Size (mm)	330W×580H×232D				
Protection Degree	IP65				
Installation Style	Wall-mounted				
Warranty	5 years				