

6KW/8KW/10KW/12KW/15KW THREE PHASE HYBRID INVERTER

B01-TPM-602/802/103/123/153G-EU-S

FEATURES

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100% three-phase unbalanced output
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Ac coupling to retrofit Existing solar system
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Max. 10 pcs parallel for on-grid And off-grid operation;Support multiple batteries parallel
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Max. charging/discharging current of 240A
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48V low voltage battery, transformer isolation design
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6 time periods for battery charging/discharging
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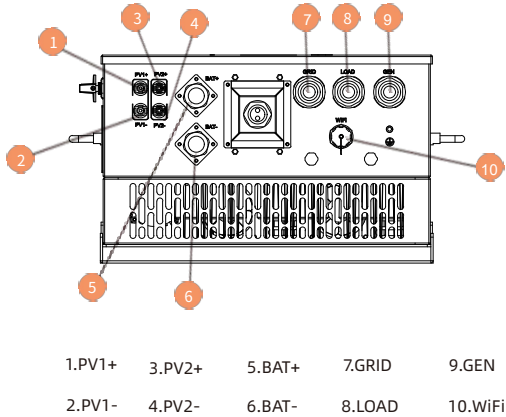
Support storing energy from diesel generator



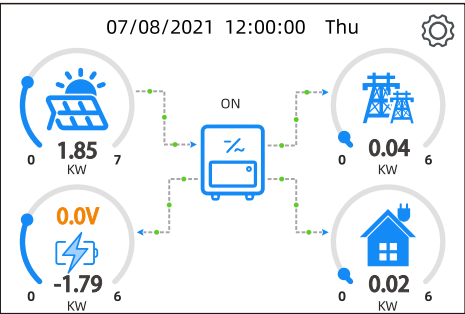
CERTIFICATIONS



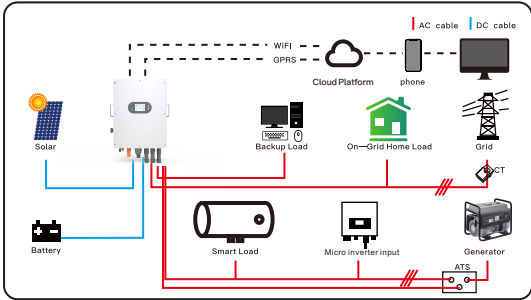
PRODUCT CHARACTERISTICS



LCD DISPLAY ICONS



BASIC SYSTEM ARCHITECTURE



Model	B01-TPM-602G-EU-S	B01-TPM-802G-EU-S	B01-TPM-103G-EU-S	B01-TPM-123G-EU-S	B01-TPM-153G-EU-S
PV String Input					
Max. PV Access Power (W)	12000	16000	20000	24000	30000
Max. PV Input Power (W)	9600	12000	15000	18000	24000
Rated PV Input Voltage (V)	800				
Start-up Voltage (V)	160				
MPPT Voltage Range (V)	200-650				160-650
Full Load MPPT Voltage Range (V)	350-650				350-650
Max. DC Input Current(A)	20+20				36+36
Max. DC Short Circuit Current(A)	30+30				54+54
No.of MPPT Trackers	2				2
No.of Strings per MPPT Tracker	2+1				2+1
AC Input/Output Data					
Rated AC Output Power (W)	6000	8000	10000	12000	15000
Max AC Output Power (W)	6600	8800	11000	13200	16500
AC Rated Input/Output Current(A)	9.1/8.7	12.1/11.6	15.2/14.5	18.2/17.4	22.8/21.8
Max.AC Input/Output Current(A)	10 /9.6	13.4/12.8	16.7/16	20/19.2	25/24
Max.Three-phase Unbalanced Output Current(A)	13.6/13	18.2/17.4	22.7/21.7	27.3/26.1	/
Max Output short circuit current (A)	75				/
Max. Continuous AC Passthrough(A)	45				70
Peak Power (off grid)	2 times of rated power, 10 S				
Power Factor	0.8 leading - 0.8 lagging				
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380Vac, 230/400Vac				
Grid Type	Three Phase				
Total Harmonic Distortion (THDi)	<3%				
DC Current Injection	<0.5% I _n				
Battery					
Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range (V)	40-60				
Max. Charging Current (A)	135	190	210	240	280
Max. Discharging Current (A)	135	190	210	240	280
External Temperature Sensor	Optional				
Charging Curve	3 Stages / Equalization				
Charging Strategy for Li-Ion Battery	Self-adaption to BMS				
Efficiency					
Max. Efficiency	97.6%				
Euro Efficiency	97.0%				
MPPT Efficiency	>99.0%				
Protection					
Anti-islanding Protection	Yes				
PV String Input Reverse Polarity	Yes				
Insulation Resistor Detection	Yes				
Residual Current Monitoring Unit	Yes				
Output Over Current Protection	Yes				
Output Shorted Protection	Yes				
Output overvoltage protection	Yes				
Photovoltaic input lightning	Yes				
Surge Protection	DC Type III / AC Type III				
Over Voltage Category	DC Type II/AC Type III				
Certifications and Standards					
Grid Regulation	IEC61727/62116,EN50549-1				
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
General Data					
Operating Temperature Range (°C)	-40~+60°C,>45°C Derating				
Cooling	Smart Cooling				
Noise (dB)	≤50 dB				
Communication to BMS	RS485; CAN				
Monitoring mode	Wi-Fi+APP				
Weight (kg)	37.5				
Size (W x H x D mm)	446W×576H×255D(Excluding Connectors and Brackets)				
Protection Degree	IP65				
Installation Style	Wall-mounted				
Warranty	5 Years (10 Years Optional)				