



MTGD

All in One Energy Storage System



Plug & Play

Plug & Play stackable design, 10 minutes fast commissioning



Active Safety

AFCI active arcing protection



High PV acceptance

40~600Vdc, 2X of rated power input



More Options

3*5.12kWH battery module + Optional battery stack

ALL IN ONE ENERGY STORAGE SYSTEM

MODEL	MTGD-5LV1		MTGD-5LV2		MTGD-5LV3	
PV Specifications						
Max. PV input power	11000W					
Nominal DC voltage/ Voc	360Vdc/600Voc					
Start-up/ Min. operation voltage	50Vdc/40Vdc					
No. of MPPTs/ Strings	2/1					
Max. PV input/ Short circuit current	16A/ 20A					
Input/ Output (AC)						
Max. AC input power from grid	11000VA					
Rated/ Max. AC output power	6000W/6000VA					
Rated AC output current (at 230V)	26.1A					
Max. AC output current	27.3A					
Rated AC voltage	220V/230V/240V					
AC voltage range	154V~276V					
Rated grid frequency	50Hz/60Hz					
Grid frequency range	45~55Hz/ 55~65Hz					
Harmonic (THD)	< 3%					
Power factor at rated power	> 0.99					
Adjustable power factor	adj.0.8,overexcited/leading to 0.8 underexcited/lagging					
Grid type	Single phase					
Rated output power for backup load	6000W					
Frequency range in off grid mode	50Hz/60Hz(±0.5%)					
Battery Data						
Rate voltage(Vdc)	51.2					
Cell combination	16S1P*1	16S1P*2		16S1P*3		
Rate capacity(AH)	100	200		300		
Energy storage(KWH)	5.12	10.24		15.36		
Cycle life	6000 cycles @80% DOD, 0.5C					
Charge voltage	57.6V					
Max. charge/discharge current(A)	100					
Discharge cut-off voltage(V DC)	43.2					
Charge cut-off voltage(V DC)	58.4					
Enviorment						
Charge temperature	0°C to 55°C@60±25% Relative Humidity					
Discharge temperature	-20°C to 55°C@60±25% Relative Humidity					
Storage temperature	-20°C to 55°C@60±25% Relative Humidity					
Mechanical						
IP class	IP65					
Material system	LiFePO4					
Case material	Metal					
Case type	All in One Stack					
Dimensions L*W*H(mm)	640*205*1008	640*205*1350		640*205*1692		
Package dimension L*W*H(mm)	760*725*345+760*335*450*1	760*725*345+760*335*450*2		760*725*345+760*335*450*3		
Net weight(kg)	25+46*1	25+46*2		25+46*3		
Gross weight(kg)	30+51*1	30+51*2		30+51*3		
Communication						
Protocol(Optional)	RS485/RS232/WLAN Optional					
Certificates						
System	UN38.3,MSDS,EN,IEC,NRS,G99					
Cell	UN38.3,MSDS,IEC62619,CE,UL1973					