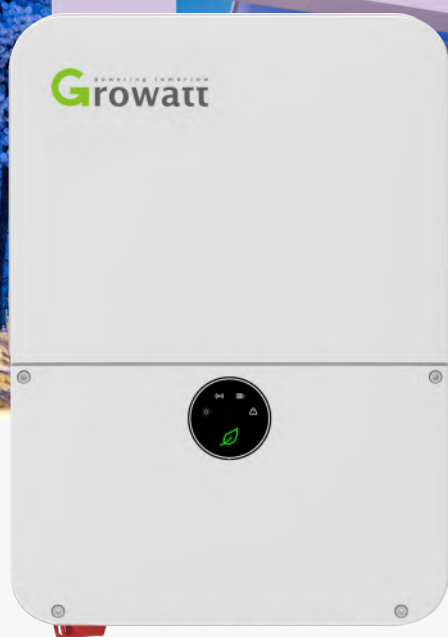


MIN 3000~7600TL-XH-US

- Battery Ready for DC Coupled and AC coupled system
- Support backup power and dark start operations
- With Rapid shutdown solution & AFCI integrated
- Integrated EMS, support multiple energy management modes: self-consumption, zero export, TOU and off-grid
- UL1741SA, CA Rule 21 & HECO compliant
- Built-in 4G/Wi-Fi Comm. with APP. IoT integrated Cloud and monitoring



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Datasheet	MIN 3000TL-XH-US	MIN 3800TL-XH-US	MIN 5000TL-XH-US	MIN 6000TL-XH-US	MIN 7600TL-XH-US
Input Data (PV)					
Max. Recommended PV Power (STC)	4500W	5700W	7500W	9000W	11400W
DC/AC Ratio	1.5				
Max. DC Voltage	600V				
Startup Voltage	50V				
Nominal Voltage	360V				
MPPT Voltage Range	50~550V				
No. of MPPT	2	2	2	3	3
No. of PV Strings per MPPT	2/2	2/2	2/2	2/2/2	2/2/2
Max. Input Current per MPPT	13A				
Max. Short-circuit Current per MPPT	16.3A				
Input/Output Data (Battery)					
I/O Voltage Range	360V~550V				
Nominal DC Voltage	400V				
I/O DC Current	15A				
I/O DC Power	5000W				
Battery Technology	LFP				
Battery Capacity per Module	9.9kWh				
Scalability	Up to 4				
Output Data (AC)					
AC Nominal Power@240V AC	3000W	3800W	5000W	6000W	7600W
Max. AC Apparent Power	3000VA	3800VA	5000VA	6000VA	7600VA
Nominal AC Voltage	208V/240V				
AC Voltage Range @208V AC @240V AC	183V~229V/211V~264V				
AC Grid Frequency	50/60Hz				
AC Grid Frequency Range	45~65Hz				
Max. Output Current	12.5A	16A	21A	25A	32A
Power Factor(@Nominal Power)	>0.99				
Adjustable Power Factor	0.8 Leading~0.8 Lagging				
THDI	<3%				
AC Grid Connection Type	L1/L2/N/PE				
Output Data (Backup)					
AC Nominal Power	3000W	3800W	5000W	5000W	5000W
Max. AC Power Output	3680VA	4000VA	6000VA	6000VA	6000VA
Nominal AC Voltage	240V				
Max. Output Current	16A	16A	21A	21A	21A
THD	5%				
Efficiency					
Max. Efficiency	98.0%		98.2%	98.4%	98.4%
CEC Efficiency	97.0%		97.5%	97.5%	98.0%
Protection Devices					
DC Reverse-polarity Protection	Integrated				
DC Switch	Integrated				
DC Surge Protection	Type II				
Insulation Resistance Monitoring	Integrated				
AC Surge Protection	Type III				
AC Short-circuits Protection	Integrated				
Ground Fault Monitoring	Integrated				
Grid Monitoring	Integrated				
Anti-islanding Protection	Integrated				
Residual-current Monitoring Unit	Integrated				
AFCI Protection	Integrated				
General Data					
Dimensions (W / H / D)	16.4/21.7/6.7 inch (425/550/170mm)				
Weight	39.6 lbs (18kg)				
Operating Temperature Range	-13°F ~ +140°F (-25 °C ~ +60 °C) de-rating above 113°F				
Altitude	9843ft (3000m)				
Internal Consumption at Night	<1W (for PV inverter)/<5W (for storage inverter)				
Cooling	Natural Convection				
Electronics Protection Degree	NEMA4X (IP65)				
Relative Humidity	0~95%				
Interfaces					
RS485	Integrated				
WiFi/4G Communication	Optional				
Warranty: 10 Years	Yes(optional for extended 15 and 20 years warranty)				
Revenue Grade Meter	ANSI C12.20 (meet 0.5% accuracy)				
IEEE1547, CA Rule21, Rule14 (HECO Compliant), FCC Part15 Class B UI1741, UL1741SA, CSA C22.2, UL1699B, UL1741 CRD					