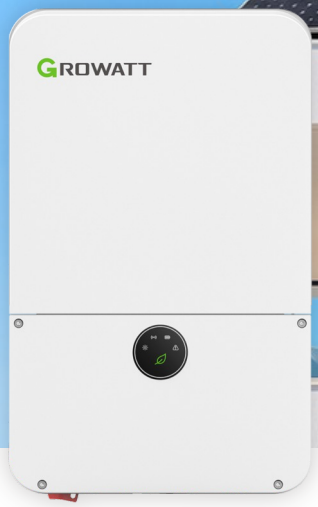
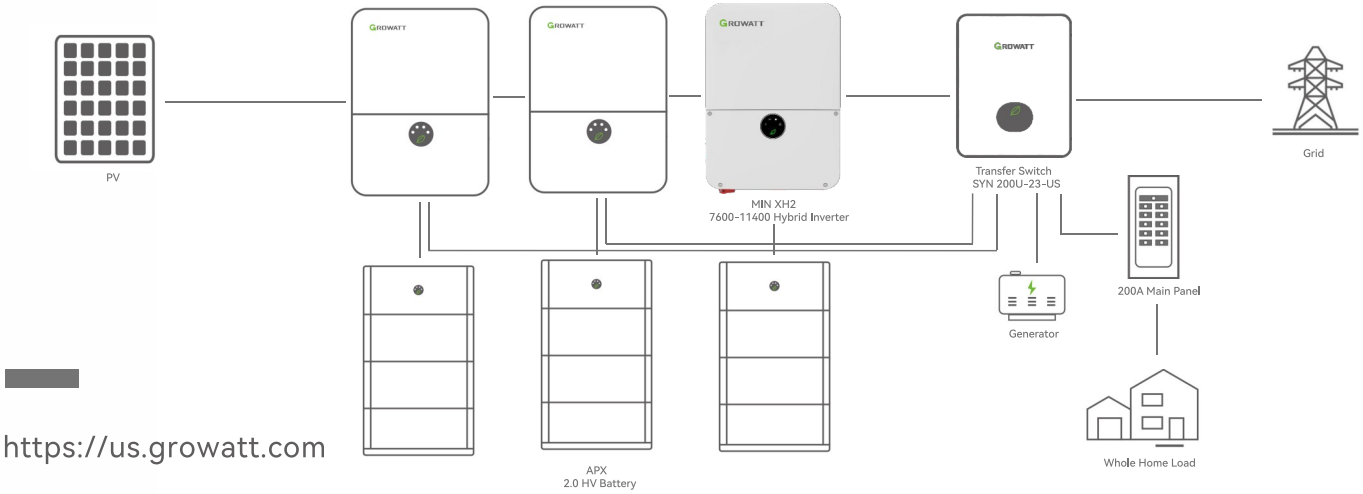
MIN 7600~15000TL-XH2 US

- Scalable system configuration, extend to 35kW
- 20ms on/off-grid transition with SYN 200U-23-US
- 18A PV input current per MPPT
- Eligible for VPP incentives nationwide
- Optional Diesel Generator integration to charge battery for optimal energy management
- Battery Ready for DC Coupled and AC Coupled systems
- Standard RGM with TIGO or APS RSD Transmitter
- WIFI/LAN（Optional 4G with 10yr Cellular plans）





MIN XH2 Parallel Whole Home Backup



https://us.growatt.com

Datasheet	MIN 7600TL-XH2 US	MIN 10000TL-XH2 US	MIN 11400TL-XH2 US	MIN 15000-XH2 US
Input data (PV)				
Max. recommended pv power (STC)	15200W	20000W	22800W	30000W
DC/AC ratio	2			
Max. DC system voltage	600V			
Startup voltage	50V			
Full load voltage range	150-500V	145-500V	165-500V	220-500V
Nominal voltage	360V			
Operating voltage range	50~550V			
No. of MPP trackers	3	4	4	4
No. of PV strings per MPP trackers	1			
Max. input current per MPP trackers	18A			
Max. short-circuit current per MPP trackers	25A			
Input/output data (DC)				
Battery voltage range	Growatt APX&APX 2.0 Battery: 380V~550V / LG Battery: 360V~550V			
Nominal DC voltage	360V			
I/O DC current	23A/23A	30A/30A	34A/34A	45/45A
I/O DC power	8000W	10500W	11900W	16000W
Compatible Batteries	Growatt APX, Growatt APX 2.0, LG Battery			
Battery capacity per module	APX 5kWh			
Scalability	APX 5-30 kWh / APX 2.0 5-60 kWh			
Output data (AC)				
AC nominal power@240V AC	7600W	10000W	11400W	15000W
AC nominal power@208V AC	6580W	8660W	9880W	13000W
Max. AC apparent power	7600VA	10000VA	11400VA	15000VA
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	31.67A	41.67A	47.5A	62.5A
Overcurrent protection device	40A	60A	60A	80A
Power Factor(@nominal power)	>0.99			
Adjustable power factor	(-1,-0.8) U (0.8,1)			
THDi	< 3%			
AC grid connection type	L1/L2/N/PE			
Output data (backup)				
AC nominal power@240VAC	7600W	10000W	11400W	15000W
AC nominal power@208VAC	6580W	8660W	9880W	13000W
Max. AC power output	7600VA	10000VA	11400VA	13000VA
Nominal AC voltage	120V/240V			
Max. output current	50A	66A	75A	98A
Splite phase power@120V	3800VA	5000VA	5700VA	7500VA
THDv	3% linear load, 5% non-linear load			
AC port	1AC Port for 1 ON Grid compatible with SYN200-US for Whole Home Backup			
Backup switch time	<20ms*			
Efficiency				
Max. efficiency	97.8%	98%	98%	98%
CEC efficiency@208V AC	96.8%	97%	97%	97%
Protection devices				
DC reverse-polarity protection	Yes			
DC switch	Yes			
DC surge protection	Type II			
Insulation resistance monitoring	Yes			
AC surge protection	Type III			
AC short-circuit protection	Yes			
Ground fault monitoring	Yes			
Grid monitoring	Yes			
Anti-islanding protection	Yes			
Residual-current monitoring unit	Yes			
AFCI protection	Yes			
General data				
Dimensions (W / H / D)	15.8/25.5/8 inch (400/648/198mm)			
Weight	61lbs(27.6kg)	61.9lbs (28.1kg)		
Operating temperature range	-13°F~+140°F (-25 °C ~ +60 °C) de-rating above 113°F			
Altitude	9843ft (3000m)			
Internal consumption at night	≤10W			
Cooling	Intelligent air cooling			
Max. Units in parallel	3 (Same rated inverters recommended for parallel operation.)			
Electronics protection degree	IP65			
Relative humidity	0~95%			
RSD Transmitter	Tigo/APS			
Interfaces				
RS485	Yes			
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)			
IEEE1547-2018, IEEE1547.1, UL1741, UL1741SA, UL1741SB, UL3141, CSA 22.3, UL1998, CSA 22.2, UL1699B, UL9540, CA Rule21, Rule14 (HECO), PREPA, SunSpec, FCC Part 15 Class B				

* 20 ms Transfer time shall be supported by SYN 200U-23-US.