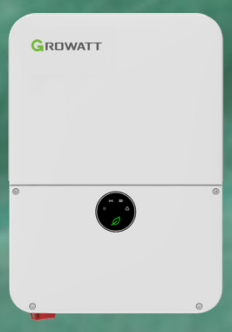
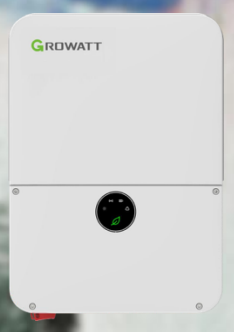
MIN XH vs MIN XH2

Use Cases / Key Specs / System Diagrams



MIN 3000-11400TL-XH-US

VS



MIN 7600-11400TL-XH2-US

Use Cases | MIN XH

- Whole-home backup
- Cost sensitive retrofits and AC or DC coupling to existing PV
- Smaller main panels, avoiding the 120% rule with PCS bus control
- Emergency backup and peak shaving

Use Cases | MIN XH2

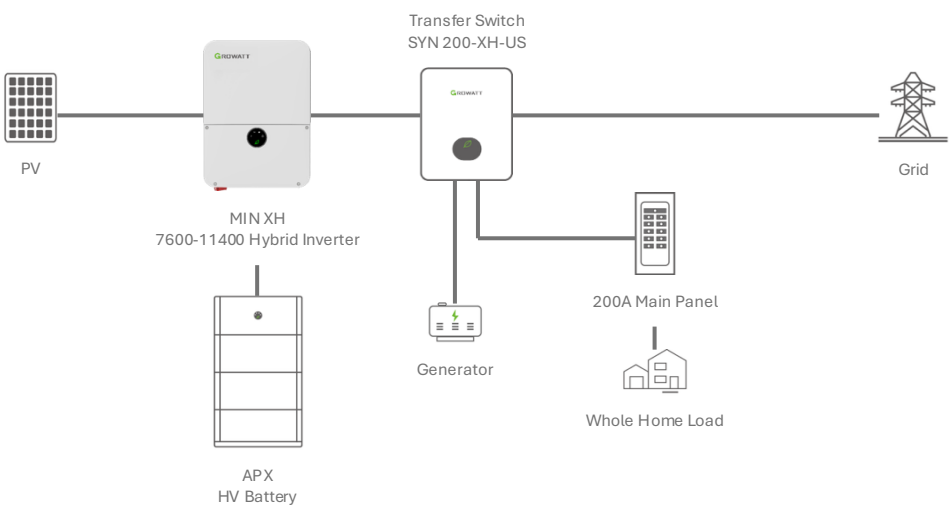
- Whole-home backup
- Large homes needing more power
- Heavy loads like HVAC and well pumps (185A LRA)
- Medical grade UPS (<16ms) for sensitive electronics
- Meter collar installs to avoid CA panel upgrades
- Parallel up to 3 inverters and up to 180kWh/system

Key Specs

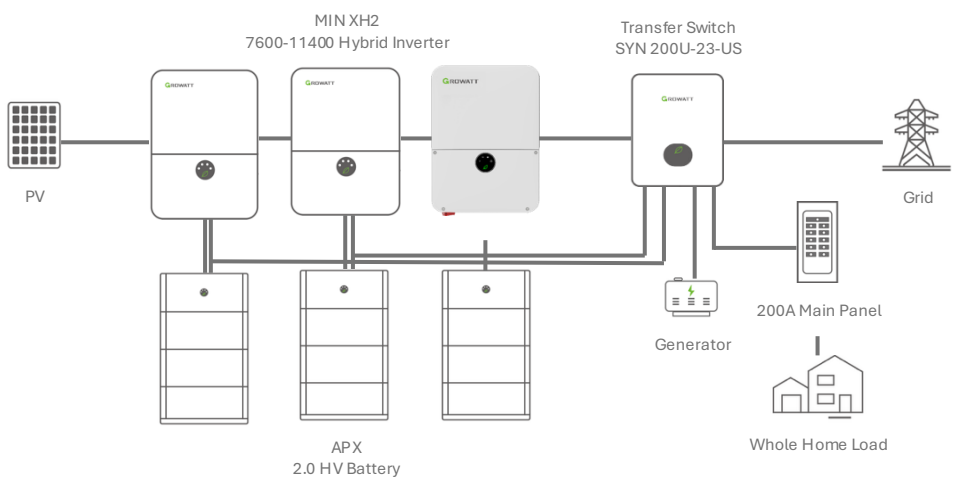
	MIN XH	MIN XH2
Continuous output	3.0 / 3.8 / 5.0 / 6.0 / 7.6 / 8.2 / 9.0 / 10 / 11.4kW	7.6 / 10 / 11.4kW
AC voltage	208/240V	208/240V
Battery	APX HV, 400V nominal	APX 2.0 HV, 400V nominal
Battery capacity	Up to 30kWh per inverter	Up to 60kWh per inverter, 180kWh system
Max recommended PV	6 - 22.8kW	15.2 - 22.8kW
MPPTs	2 - 4, 2 strings each	3 - 4, 1 string each
Max current per MPPT	13.5A (16.9A Isc)	18A (25A Isc)
Startup voltage	80V	50V
Backup output	Up to 11.4kW continuous	Up to 11.4kW continuous
Backup current	47.5A continuous, 75A peak	47.5A continuous, 92A peak
Motor / HVAC loads	105A LRA	185A LRA
Transfer switch	SYN 200-XH-US	SYN 200U-23-US (<16ms) or meter collar
Grid passthrough	200A	200A
Parallel	Single inverter	Up to 3, 34.2kW continuous
Max efficiency	Up to 98.5%	Up to 98.2%
Generator	Supported	Supported
Operating modes	Self-consumption, zero export, TOU, off-grid	Self-consumption, zero export, TOU, off-grid
Protection	NEMA 4X (IP65), RSD + AFCI	NEMA 4X (IP65), RSD + AFCI
Revenue grade meter	ANSI C12.20	ANSI C12.20
Warranty	10 years (15 / 20 optional)	10 years (15 / 20 optional)

System Diagrams

MIN XH Whole Home Backup



MIN XH2 Parallel Whole Home Backup (3 Units)



MIN XH2 + Meter Collar Whole Home Backup (No SYN Required)

