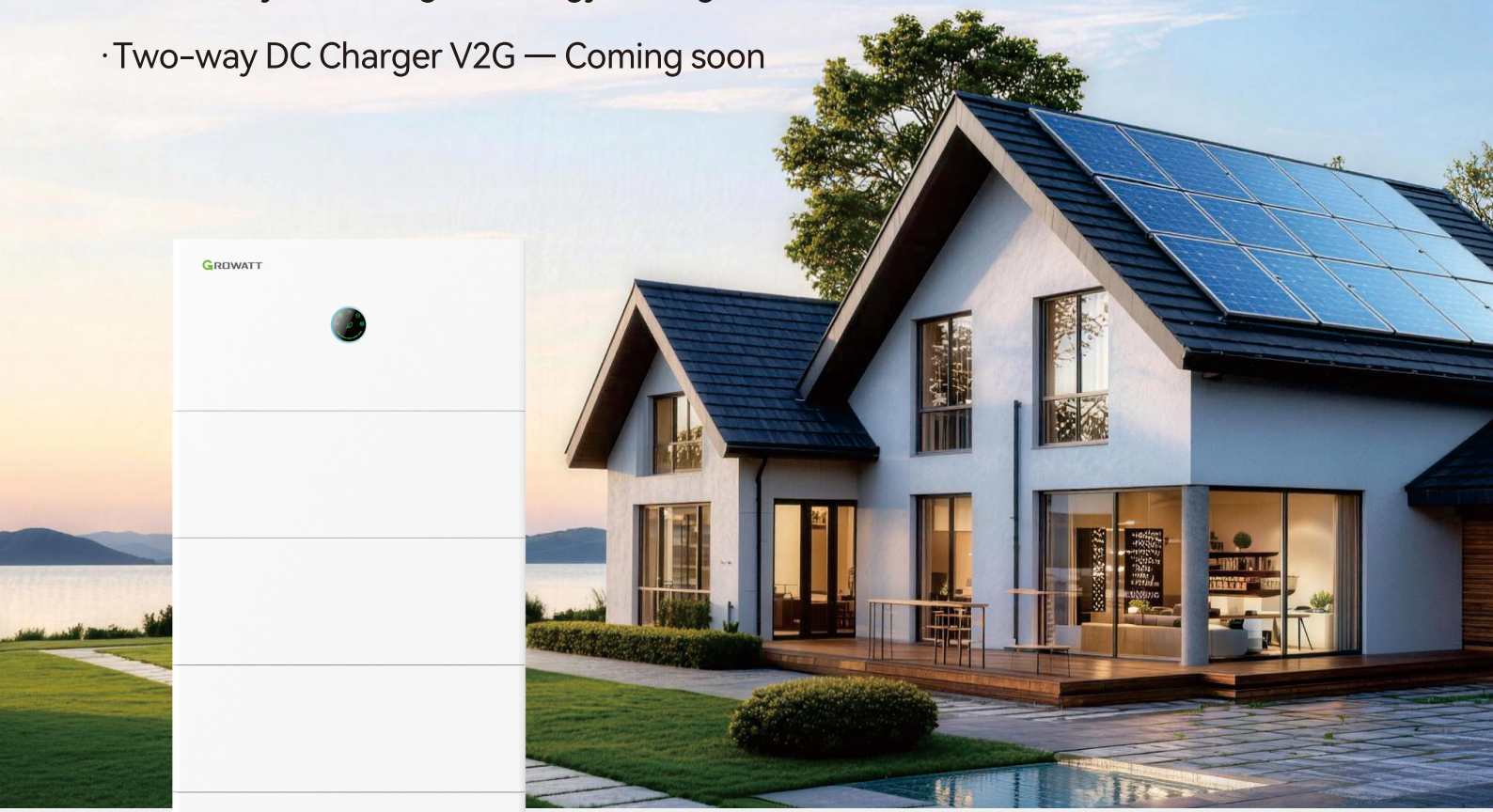
MODA All-In-One ESS EU(Wide Version)

- Up to 3 MPPTs with 2.0 DC/AC ratio for higher yield
- Battery Optimizer — mix old & new with ease
- 63A for reliable whole-home backup
- VPP-ready for intelligent energy management
- Two-way DC Charger V2G — Coming soon



POWER-ING TOMO-RROW

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System Model	MODA 4-15kTL3-HU-1	MODA 4-15kTL3-HU-2	MODA 4-15kTL3-HU-3	MODA 4-15kTL3-HU-4	MODA 4-15kTL3-HU-5	MODA 4-15kTL3-HU-6	MODA 4-15kTL3-HU-7
System schematic							
Number of inverter module	1						
Number of battery module	1	2	3	4	5	6	7
Energy capacity	7kWh	14kWh	21kWh	28kWh	35kWh	42kWh	49kWh
System weight*[1]	86kg	142.3kg	198.6kg	254.9kg	313.2kg	369.5kg	425.8kg
System dimension (W/D/H)*[1]	740/255/715	740/255/980	740/255/1245	740/255/1510	740/255/1775	740/255/2040	740/255/2305

Inverter Model	MODA 4kTL3-HU	MODA 5kTL3-HU	MODA 6kTL3-HU	MODA 8kTL3-HU	MODA 10kTL3-HU	MODA 12kTL3-HU	MODA 15kTL3-HU
PV Side							
Max recommended PV power	8000W	10000W	12000W	16000W	20000W	24000W	30000W
Max.DC voltage	1000V						
Start voltage	160V						
Nominal voltage	600V						
MPP work voltage range	140-1000V						
No.of MPP tracker/String per tracker	3/1						
Max input current per MPP tracker	20A						
Max.short-circuit current per MPP tracker	25A						
AC Side (Grid port)							
AC norminal power	4000W	5000W	6000W	8000W	10000W	12000W	15000W
Rated AC apparent power	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA
Nominal AC voltage/range	230V/195.5-253V						
Nominal frequency/range	50Hz/45-55Hz ; 60Hz/55-65Hz						
Max.input/output current	63A/6.7A	63A/8.3A	63A/10A	63A/13.3A	63A/16.7A	63A/20A	63A/25A
Adjustable power factor	0.8leading...0.8lagging						
THDi	< 3%						
AC connection	3W+N+PE/3W+PE						
AC Side (Backup port)							
Rated output apparent power	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA
Peak output power	6400W@200ms	8000W@200ms	9600W@200ms	12800W@200ms	16000W@200ms	19200W@200ms	24000W@200ms
Max. output current (Off-grid)	7.3A	9.1A	10.9A	14.5A	18.2A	21.8A	27.3A
Max. output current (On-grid)	63A						
Switch time	20ms						
Efficiency							
Max.efficiency	98.60%						
European efficiency	97.50%						
Battery Side							
Battery model	APX 7.0P-B3						
Battery dimension (W/D/H)	740/255/265						
Battery weight	56.3kg						
Normal voltage	660-980V						
Energy capacity	7-49kWh						
Max.charge/discharge power*[2]	12000W/4000W	15000W/5000W	18000W/6000W	21000W/8000W	21000W/10000W	21000W/12000W	21000W/15000W
DoD	100%*[3]						
Cycle life	10000*[4]						
DC Charger							
Max. charging/discharging power	25kW						
Protection							
Safety protection feature	DC reverse polarity protection, DC&AC SPD, Insulation protection, AFCI protection, Over current protection, Over voltage protection, Over temperature protection, GFCI protection, Anti-islanding protection						
General Data							
Operating temperature range	-20~55℃						
Altitude	4000m						
Nighttime power consumption	< 40W						
Cooling	Natural cooling						
Relative humidity	0~100%						
Protection degree	IP66						
Installation method	Floor/Wall mount						
Interfaces	RS485, CAN, USB, APP						
Warranty	10 years						
Country of manufacturing	Made in China						

*1 System weight & dimensions include the base.

*2 Battery charge/discharge power is limited by both the number of battery modules and the power of inverter.

*3 Test conditions: 100% depth of discharge, 0.2C charging&discharging at 25±2℃, at the beginning of life.

*4 Provided by the cell manufacturer. Test conditions: 25℃±2℃, 0.25C charge and discharge rate, EOL: 60%.

*The inverter module of the MODA (Wide Version) cannot be paired with the 5 kWh APX battery module.

*Specifications are provisional and subject to change.

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