

UP Storage Systems

3.73 - 5 MWh

Containerized energy storage
for utility-scale applications

CWATT-UP-3.73 | CWATT-UP-5

Liquid-cooled LFP battery storage
in a 20 ft container format



Utility-Scale Energy Storage

UP-Series offers 3.73 MWh and 5 MWh configurations for utility applications.

SYSTEM OVERVIEW	
Battery chemistry	Lithium Iron Phosphate (LFP)
Thermal management	Liquid cooling
Enclosure protection	IP55
Communication	CAN, RS485, TCP/IP

Applications

Renewable integration · Grid stabilization · Peak shaving
Capacity firming · Black start support



ELECTRICAL

Model	UP1-3.73-1	UP1-5-05
Rated Energy (MWh)	3.73	5
C Rate	1C / 1C	0.5C / 0.5C
Operating Voltage Range (Vdc)	1040 - 1500	1040 - 1500
Battery Cell	LFP 280 Ah	LFP 314 Ah
Max Charge/Discharge Current	280A*10	157A*12
Configuration	10P416S	12P416S
Communication	CAN, RS485, TCP/IP	CAN, RS485, TCP/IP

MECHANICAL

Model	UP1-3.73-1	UP1-5-05
Ingress Rating	IP55	IP55
Enclosure Dimensions (mm)	W6058 × D2438 × H2896	W6058 × D2438 × H2896
Weight (t)	38	42
Charging Temperature	-30°C to 55°C (-22°F to 131°F)	-30°C to 50°C (-22°F to 122°F)
Discharging Temperature	-30°C to 55°C (-22°F to 131°F)	-35°C to 60°C (-31°F to 140°F)
Cooling	Liquid	Liquid

CERTIFICATIONS & TESTING

CE, UN 38.3, IEC 62619, UL9540A, UL 1973

