

Durathon UP/ES



Railway Signal System | Communication | Data Center | Power System | Military Industry.etc



Modular and Scalable



Touch Screen Display



Remote Real-time Monitoring

01

High security

Wide temperature range
normal operation
at -40-65 °C

04

02

Maintenance
free

Long cycle life

05

03

High energy
density
small footprint

Technical Advantages

Modular design
flexible series parallel
connection

06

Application Field



Railway Signal System



Power System



Data Center



Communication
Base Station



Military and Maritime
System

Product Certification

- UL1973 Certification, UL9540A Certification, CCTL Certification, CE Certification

Module Parameters			
Nominal voltage/V	120		
Nominal capacity/Ah	43 (@C10)		
Cell	Sodium nickel chloride battery		
Cell quantity	52 (49-55, can be customized as request)		
Size/mm	369(W)*494(D)*356(H)		
Weight/kg	70		
Open circuit voltage/V	134.2		
Floating charge voltage/V	136.2		
Equalizing voltage/V	138.8		
Operating voltage range/V	93.6-138.8		
Max charge current/A	10		
Max discharge current/A	50		
Design life/year	20		
System Parameters			
System type	UP/ES-480	UP/ES-360	UP/ES-240
Nominal voltage/V	480	360	240
Operating voltage range/V	375-555	280-416	187-278
Nominal capacity/Ah	43	43	86
Module quantity	4	3	4
Module combination	4S1P	3S1P	2S2P
Max charge current/A	10	10	20
Max discharge current/A	50	50	100
Weight/kg	280	210	140
Communication			
Communication protocol	Modbus TCP/Modbus RTU/CAN2.0		
Touch screen	10.1inch standard industrial touch screen		
Operating Condition			
Relative working humidity	0-95%, without condensation		
Operating temp range	-20°C ~ +60°C		
Working altitude	≤3000 m		
Cabinet			
Dimension (W*H*D)	600mm*600mm*2000mm		
Entry and exit methods	Down in, down out		
Safety/Standards			
IP level	IP 20		
Certification	UL1973, UL9540A, CE		