NP-Series - Valve Regulated Lead Acid Battery

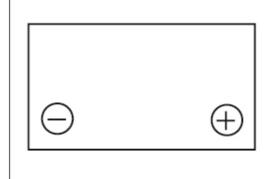
Data Sheet

NP65-12I

SPECIFICATIONS			
Nominal voltage	12	V	
20-hr rate Capacity to 1.75VPC at 20°C	65	Ah	
10-hr rate Capacity to 1.75VPC at 20°C	60.5	Ah	
DIMENSIONS			
Length	350 (±1)	mm	
Width	166 (±1)	mm	
Height	174 (±2)	mm	
(height over terminals)	N/A	mm	
Mass (typical)	23	kg	
TERMINAL TYPE			
Female threaded terminal	M6		
Torque	4.76	Nm	
OPERATING TEMPERATURE RANGE			
Storage	-20°C to	-20°C to +60°C	
Charge		-15°C to +50°C	
Discharge		-20°C to +60°C	
STORAGE			
Capacity loss per month at 20°C (approx)	3	%	
CASE MATERIAL			
Standard Option	ABS (UL	ABS (UL.94:HB)	
Flame retardant option (FR)		ABS (UL94:V0)	
CHARGE VOLTAGE	7.80 (0		
	13.65 (±1%)	V	
Float charge voltage at 20°C	2.275 (±1%)	V/cell	
Float Charge voltage temperature correction factor (for variations from the standard 20°C)	-3	mV/cell/°C	
Cyclic (or Boost) charge at 20°C	14.5 (±3%) 2.42 (±3%)	V V/cell	
Cyclic Charge voltage temperature correction factor (for variations from the standard 20°C)	-4	mV/cell/°C	
CHARGE CURRENT			
Float charge current limit	No limit	А	
Cyclic (or Boost) charge current limit	16.25	А	
MAXIMUM DISCHARGE CURRENT			
1 second	1950	A	
1 minute	48	Α	
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE			
(according to EN IEC 60896-21)			
Internal resistance	10.51	mΩ	
Short-Circuit current	1375	А	
IMPEDANCE			
Measured at 1 kHz	12	mΩ	
PERFORMANCE & CHARACTERISTICS			
Refer to the technical manual	NP		
DESIGN LIFE			
EUROBAT Classification: Standard Commercial	3 to 5	vears	
		,	
Yuasa design life @ 20°C	up to 5	years	
SAFETY			
Installation	and a state of the state of the		
Can be installed and operated in any orientation except perma	anently inverted		
Handles			
Batteries must not be suspended by their handles (where fitted)			
Vent valves			
Each cell is fitted with a low pressure release valve to allow g	asses to escape and then	reseal.	



LAYOUT



3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems ISO 14001 - Environmental Management Systems EN 18001 - OHSAS Management Systems UNDERWRITERS LABORATORIES Inc. VdS (Germany) - VdS No: G183008



STANDARDS

IEC61056



ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE Issue No.: V.2 / Issue Date: Mar 2011



VRLA Batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed container

Recycling

YUASA's VRLA batteries must be recycled at the end of life in accordance with local and national laws and regulations

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