# **Data Sheet**

# NP-Series - Valve Regulated Lead Acid Battery 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	-15°C to +50°C	
Discharge	-20°C to	-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 (UI	ABS (UL94:V0)	
CHARGE VOLTAGE			
Float charge voltage at 20°C	13.65 (±1%) 2.275 (±1%)	V 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	Α	
Cyclic (or Boost) charge current limit	16.25	Α	
MAXIMUM DISCHARGE CURRENT			
1 second	1950	А	
1 minute	48	Α	
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE			
(according to EN IEC 60896-21)			
Internal resistance	10.51	mΩ	
Short-Circuit current	1375	Α	
IMPEDANCE			
Measured at 1 kHz	12	mΩ	
PERFORMANCE & CHARACTERISTICS			
Refer to the technical manual	NP		
DESIGN LIFE	- '''		
EUROBAT Classification: Standard Commercial	3 to 5	years	
Yuasa design life @ 20°C	up to 5	years	
SAFETY			
Installation			
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Can be installed and operated in any orientation except permanently inverted

# Handles

**SPECIFICATIONS** 

Batteries must not be suspended by their handles (where fitted)

#### Vent valves

Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal.

#### Gas Release

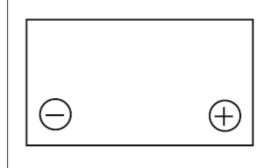
VRLA Batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed container

# Recycling

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



## 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









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