Data Sheet

NPL-Series - Valve Regulated Lead Acid Battery NPL65-12I (FR)

SPECIFICATIONS			
Nominal voltage	12	V	
20-hr rate Capacity to 10.5V at 20°C	65	Ah	
10-hr rate Capacity to 10.8V at 20°C	57.2	Ah	
DIMENSIONS	<u> </u>		
Length	350 (±0.7)	mm	
Width	166 (±0.5)	mm	
Height	174 (±0.5)	mm	
(height over terminals)	N/A	mm	
Mass (typical)	23.0	kg	
TERMINAL TYPE			
Female threaded terminal	M6	mm	
Torque	4.8	Nm	
OPERATING TEMPERATURE RANGE			
Storage (in fully charged condition)	-20°C to	-20°C to +50°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 (UI	ABS (UL.94:HB)	
Flame retardant option (FR)	ABS (U	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	А	
MAXIMUM DISCHARGE CURRENT			
1 second	800	А	
1 minute	500	А	
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE			
(according to EN IEC 60896-21)			
Internal resistance	N/A	mΩ	
Short-Circuit current	N/A	A	
IMPEDANCE			
Measured at 1 kHz	5	mΩ	
PERFORMANCE & CHARACTERISTICS			
Refer to the technical manual	NPL		
DESIGN LIFE	1.0		
EUROBAT Classification: High performance	10 to 12	years	
<u> </u>			
Yuasa design life @ 20°C	up to 10	years	

SAFETY

Installation

Can be installed and operated in any orientation except permanently 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 gasses to escape and then reseal.

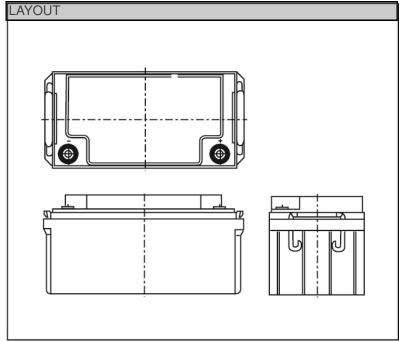
Gas Release

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





This battery type must never be installed permanently suspended by their handles

UNDERWRITERS LABORATORIES Inc.

3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems
ISO 14001 - Environmental Management Systems
EN 18001 - OHSAS Management Systems



STANDARDS

IEC61056

IEC60896-21/22







ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE Issue No.: V.1 / Issue Date: July 2010



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