

Aqua Unit 6, 12 & 24V NEMA 4 & 4X Battery Units

Job/Location: _____

Contractor: _____ Prepared By: _____

Model Number: _____ Date: _____

High-efficiency two stage charger

6, 12 or 24V up to 720W

Durable and corrosion-resistant fiberglass



NEMA 4X SEA MR16 heads are standard

Fully gasketed NEMA 4X housing

EXTERNAL SPECIFICATIONS

The **AQUA UNIT** series is constructed with a durable molded NEMA 4 and 4X rated fiberglass cabinet. Industrial grey finish is standard. NEMA 4X emergency lighting heads are available in grey die-cast aluminum. Four [4] integrated mounting holes ensure simple and secure installation. External test switch and monitor LED are standard. CSA 22.2 No. 141-15 Performance Certified.

MECHANICAL SPECIFICATIONS

The **AQUA UNIT** is constructed from a durable, fully gasketed NEMA 4 and 4X rated fiberglass housing. The front access panel/door is hinged for trouble-free installation and maintenance. Four [4] integrated mounting holes ensure simple, secure and accurate wall installation. Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation. MR16 NEMA 4X SEA heads are constructed of die-cast aluminum that has been sealed against moisture infiltration. The **AQUA** is supplied standard in an industrial grey fiberglass finish.

ORDERING INFORMATION

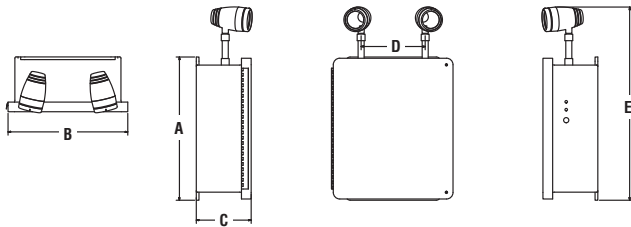
Series	Operation	Capacity (Wattage)	Heads	Lamp Type	Options
AQ-U	6 (Volt DC)	See model rating guide	0 (None)	†See lamp guide	NC (Ni-Cd batteries, see guide)
	12 (Volt DC)		1SEA (one MR16 head)		AT (Auto-test self diagnostics)
	24 (Volt DC)		2SEA (two MR16 heads)		A (Ampmeter)
			1TESSQ (One head, HO)		V (Voltmeter)
			2TESSQ (Two heads, HO)		LD (Lamp disconnect)
			**1LR (One head)		*TD (10 min. time delay)
			**2LR (Two heads)		WG (Wireguard)
					OBM (Octagon box mount)
					TLP (Twist lock plug, 120V only)
					*HTR (Internal heater - specify AC input)
					***TC (Teflon® coated lamp lens)
					IRT (Infra-red remote test)
					LC (120V line cord)

NOTE: *AC input must be specified. **Heads are supplied standard weatherproof ***Teflon® is a registered trademark of DuPont™. Not available with LEDSB lamps. †LEDSB only available with AR heads.
 EXAMPLE: AQ-U-12-72-2SEA-7WLED DESCRIPTION: Aqua emergency only battery unit, 120/347AC Input, 12VDC Output, 72W for 30 minutes, 2 NEMA 4X SEA heads, voltmeter.



INDUSTRIAL APPLICATION EMERGENCY

DIMENSIONS (MM, IN.)



Cabinet	A	B	C	D	E
1	291mm 11 7/16"	235mm 9 1/4"	138mm 5 7/16"	160mm 6 5/16"	419mm 16 1/2"
2	343mm 13 7/16"	286mm 11 1/4"	138mm 5 7/16"	211mm 8 5/16"	470mm 18 1/2"
3	394mm 15 1/2"	340mm 13 3/8"	159mm 6 1/4"	260mm 10 1/4"	521mm 20 1/2"
4	445mm 17 1/2"	391mm 15 3/8"	159mm 6 1/4"	311mm 12 1/4"	305mm 22 1/2"
5	502mm 19 3/4"	429mm 16 7/8"	229mm 9"	311mm 12 1/4"	622mm 24 1/2"

LAMP SELECTION

	6V	12V	24V
Composite Tungsten	9, 12, 18W (PAR36 Only)	9, 12, 18W	9, 18W
Composite Quartz (Q)	8, 10, 12, 20W	8, 12, 20, 35, 55W (PAR36 only)	10, 12, 20, 50W
LED-MR16	5, 7W	2, 5, 7W	5, 7W
MR16	6, 10W	10, 12, 20, 35, 50W	12, 20, 35, 50W
TES	N/A	30W	30W
Sealed Beam LED (LEDSB)	N/A	6W	6W

LAMP HEAD FEATURES

The **AQUA** series units are supplied with two [2] top mounted NEMA 4X MR16 SEA heads. Standard lamp heads are constructed of durable die-cast aluminum in a grey colour. *Teflon® coating of the lamp lens (which inhibits shattering) is available for food preparation and hose down areas.

BATTERY TECHNOLOGY

The **AQUA** series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes (for the listed rating). Ni-Cd batteries are optional. Recharge time of the battery is twenty-four [24] hours. The maximum battery operating temperature is +40°C and the minimum is +10°C without internal heater option. With the internal heater the minimum operating temperature is -20°C.

MODEL RATING GUIDE

Model	Voltage (output)	Wattage Rating		Cabinet
		30 min.	120 min.	
AQ-U-6-36	6	36	10	#1
AQ-U-6-50	6	50	15	#1
AQ-U-6-50-NC	6	50	18	#1
AQ-U-6-80	6	80	24	#1
AQ-U-6-90	6	90	27	#1
AQ-U-6-100-NC	6	100	35	#1
AQ-U-6-160	6	160	48	#2
AQ-U-6-180	6	180	54	#2
AQ-U-6-180-NC	6	180	60	#3
AQ-U-12-36	12	36	10	#1
AQ-U-12-72	12	72	22	#1
AQ-U-12-90	12	90	27	#1
AQ-U-12-100-NC	12	100	35	#1
AQ-U-12-120	12	120	36	#2
AQ-U-12-150	12	150	45	#2
AQ-U-12-180	12	180	54	#2
AQ-U-12-200	12	200	60	#3
AQ-U-12-200-NC	12	200	65	#3
AQ-U-12-250	12	250	75	#3
AQ-U-12-360	12	360	108	#3
AQ-U-24-144	24	144	43	#2
AQ-U-24-180	24	180	54	#2
AQ-U-24-200-NC	24	200	65	#2
AQ-U-24-320	24	320	96	#3
AQ-U-24-550	24	550	180	#4/5
AQ-U-24-720	24	720	235	#4/5

INSTALLATION

The **AQUA UNIT** is suitable for surface wall mounting. Suitable for NEMA 4 and 4X installations.

CHARGER SPECIFICATIONS

The **AQUA** series utilizes a high-efficiency two stage charger providing precise float voltage control with low voltage disconnect protection. All components used in the circuitry are temperature compensated. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC/ON and High Charge. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.