



# YUASA Batteries

*All ranges / All applications 0,8 à 565 Ah*

Valve Regulated Lead Acid Batteries

# NP / NPL



## All applications Standby and Cyclic

Design life (in according Eurobat) :  
NP : 5 years at 20°C (Floating)  
NPL : 10 years at 20°C (Floating)

Alarm, Security, Telecom, UPS,  
Energy, Toy, Solar, Wind...

Type of Battery	Voltage (V)	Capacity		Length (mm)	Width (mm)	Height incl. terminals (mm)	Weight (Kg)	Terminals	YUASA Chargers
		10h* (Ah)	20h* (Ah)						
NP0.8-12	12	0,7	0,8	96	25	61,5	0,35	FC	4
NP1.2-6	6	1,1	1,2	97	25	54,5	0,31	F4,8	1
NP1.2-12	12	1,1	1,2	97	48	54,5	0,6	F4,8	4
NP2-12	12	1,8	2	150	20	89	0,7	F4,8	4
NP2.1-12	12	1,9	2,1	178	34	64	0,82	F4,8	4
NP2.3-12	12	2,1	2,3	178	34	64	0,95	F4,8	4
NP2.8-6	6	2,5	2,8	134	34	64	0,55	F4,8	1 2
NP4-6	6	3,5	4	70	47	105,5	0,85	F4,8	2 3
NP4-12	12	3,5	4	90	70	106	1,75	F4,8	5 9
H NP4-12	12	3,5	4	90	70	106	1,75	F4,8	5 9
H NP5-12	12	4,8	5,2	90	70	106	1,85	F6,35	5 9 10
NP7-6	6	6,2	7	151	34	97,5	1,35	F4,8	3 7
NP7-12 (L)	12	6,2	7	151	65	97,5	2,2	F4,8 (F6,35)	9 10
H NP7-12 (L)	12	6,2	7	151	65	97,5	2,2	F4,8 (F6,35)	9 10
H NPW45-12	12	7,4	8,5	151	65	97,5	2,7	F6,35	10
NP10-6	6	8,8	10	151	50	97,5	1,93	F4,8	7 8 34
▲ NP10-12	12	8,8	10	151	102	97,5	4	F4,8	9 10 11
NP12-6	6	11	12	151	50	97,5	2,1	F6,35	7 8 34
NP12-12	12	11	12	151	98	97,5	4,1	F6,35	10 11 14 35
NP17-12I	12	15	17	181	76	167	6,1	M5	11 14 15 36
NP24-12I	12	21,1	24	166	175	125	9	M5	14 15 17 36
NPL24-12I	12	21,1	24	166	175	125	9	M5	14 15 17 36
NP38-12I	12	33,4	38	197	165	170	13,8	M5	15 17 18 37
NPL38-12I	12	33,4	38	197	165	170	14	M5	15 17 18 36 37
NP65-12I	12	57,2	65	350	166	174	23	M6	18 19 20 37
NPL65-12I	12	57,2	65	350	166	174	23	M6	18 19 20 37
NPL78-12I FR	12	68,6	78	380	166	177,5	27,5	M8	18 19 20 37
NPL100-12	12	88	100	407	172,5	240	39	BM10	19 20 21
NPL130-6I FR	6	114,4	130	350	166	174	23	M6	-
NPL200-6	6	177	200	398	176	250	39	BM10	-

\* : Final voltage 1.75 V per cell - Temperature 20°C  
▲ : Manufactured from two NP10-6

H : Very high performance in rapid discharge (<20 minutes).  
(L) : Also available with large 6,35 mm terminals.  
Reference followed by FR marking : Production with UL94-V0 case

Other types : please consult Yuasa

# YUCEL



## All applications Standby

Design life (in according Eurobat) :  
3/5 years at 20°C  
(> 100 Ah : 10 years at 20°C)

Alarm, Security, Telecom,...

Type of Battery	Voltage (V)	Capacity		Length (mm)	Width (mm)	Height incl. terminals (mm)	Weight (Kg)	Terminals	YUASA Chargers
		10h* (Ah)	20h* (Ah)						
Y0.8-12	12	0,72	0,8	96	25	62	0,35	FC	4
Y1-6	6	0,93	1	50	42	57	0,28	F4,8	1
Y1.2-6	6	1,11	1,2	97	24	57,5	0,29	F4,8	1
Y1.2-12	12	1,11	1,2	97	47,5	54,5	0,59	F4,8	4
Y2.1-12	12	1,9	2,1	178	34	64	0,9	F4,8	4
Y2.9-12	12	2,7	2,9	79	56	105	1,1	F4,8	4 5
Y3.2-6	6	3	3,2	134	34	66	0,67	F4,8	2
Y3.2-12	12	3	3,2	134	68	66,5	1,3	F4,8	5
Y3.5-4	4	3,3	3,5	90	34	65	0,45	F4,8 90°	-
Y4-6	6	3,6	4	70	47	105	0,8	F4,8	2 3
Y4-12	12	3,6	4	90	70	105,5	1,6	F4,8	5 9
Y5-12	12	4,4	5	90	70	107	1,7	F4,8	5 9
Y5-12N (151)	12	4,4	5	151	53	100	1,7	F4,8	5 9
Y7-6	6	6,2	7	151	34	100	1,1	F4,8	2 3 7
Y7-12	12	6,3	7	151	65	97,5	2,1	F4,8	9 10
Y10-6	6	9,0	10	151	50	97,5	1,75	F4,8	7 8 34
Y12-6L	6	10,8	12	151	50	97,5	1,75	F6,35	7 8 34
Y12-6SM	6	11,1	12	151	51	103	1,8	F4,8	7 8 34
Y12-12	12	10,8	12	151	98	97,5	3,6	F6,35	10 11 14 35
Y17-12I	12	15,8	17	181	76,2	167	5,2	M5	11 14 15 35 36
Y24-12I	12	22,2	24	166	177	129	7,2	M5	14 15 17 36
Y24-12H	12	21,6	24	165	125	175	8	M5	14 15 36
Y38-12I	12	35,2	38	197	165	170	12,2	M5	15 17 18 36 37
Y60-12	12	60	62	260	168	216	18,5	M6	18 19 20 37
Y65-12I	12	60,1	65	348	167	178	19,2	M6	18 19 20 37
Y100-12	12	100	106	330	173	220	32	M8	19 20 21
Y150-12	12	150	159	485	170	242	48,2	M8	21
Y200-6	6	210	226	322	178	234	32,2	M8	-
Y200-12	12	200	212	522	240	224	64	M8	21

\* : Final voltage 1.75 V per cell - Temperature 20°C

Reference followed by FR marking : Production with UL94-V0 case



# SW / SWL

Type of Battery	Voltage (V)	Puissance Typique 10 mn* (W)	Capacity		Length (mm)	Width (mm)	Height incl. terminals (mm)	Weight (Kg)	Terminals	YUASA Chargers
			10h** (Ah)	20h** (Ah)						
SW200	12	216	5,7	5,8	151	51	98,3	1,95	F4,8/6,35	5 9
SW280	12	280	7	7,6	151	65	97,5	2,6	F6,35	10
SWL750	12	767	22,9	24,4	166	175	125	9,8	M5	14 15 36
SWL780V	12	815	27,1	28,4	166	125	175	10,1	M5	14 15 36
SWL1100	12	1202	39,6	40	197	165	170	14,5	M5	15 17 18 19 36 37
SWL1800	12	1974	55	56,6	216	168	223	23	M6	17 18 19 20 37
SWL1850	12	1916	66	72	350	166	174	23,8	M6	18 19 20 37
SWL2250	12	2250	76	84	380	166	185	28	M8	19 20 21
SWL2300 T	12	2400	78	79	259	168	212,5	27	M6	18 19 20 37
SWL2300E	12	2400	78	79	260	168	225	28	M6	18 19 20 37
SWL2500 T	12	2940	91,4	92,4	305	173	223	32	M6	19 20 21
SWL2500E	12	2940	91,4	92,4	305	168	225	33	M6	19 20 21
SWL3300	12	3300	102,5	108,4	350	168	225	38	M8	18 19 20 21
SWL3800	12	3900	124	134	350	173	272	48	M8	21
SWL4250	12	4266	140	148	341	173	281	49	M8	21
SWL1850-6	6	1344	132	144	350	166	174	23,8	M6	-
SWL2500-6	6	2766	180	182	297	168	231,5	32,5	M8	-

**Standby application**

**High performances in UPS application and Energy equipment**

Design life (in according Eurobat) :  
**SW : 3/5 years at 20°C**  
**SWL : 10 years at 20°C**

\* : Final voltage 1.6 V per cell - Temperature 20°C  
 \*\* : Final voltage 1.8 V per cell - Temperature 20°C

Reference followed by FR marking : Production with UL94-V0 case



# EN / ENL

Type of Battery	Voltage (V)	Capacity		Length (mm)	Width (mm)	Height incl. terminals (mm)	Weight (Kg)	Terminals	YUASA Chargers
		10h* (Ah)	20h* (Ah)						
EN80-6	6	81	85	200	208	238	23	MM8	-
EN100-4	4	102	106	200	208	238	17,2	MM8	-
ENL100-4	4	102	106	200	208	238	17,5	MM8	-
EN100-6	6	102	106	200	208	238	23	MM8	-
ENL100-6	6	102	106	200	208	238	23	MM8	-
EN160-4	4	163	170	206	210	240	24	M8	-
EN160-6	6	163	170	305	210	240	35	M8	-
ENL160-6	6	163	170	305	210	240	35	M8	-
EN180-6	6	181	188	305	210	240	38	M8	-
EN320-2	2	326	340	206	210	240	24	M8	-
ENL320-2	2	326	340	206	210	240	24	M8	-
EN480-2	2	489	508	305	210	240	35	M8	-
ENL480-2	2	489	508	305	210	240	35	M8	-
EN540-2	2	544	565	305	210	240	38	M8	-
ENL100-12FT	12	102	106	558	125	233	41	M6	20 21

**Standby application**  
**High capacity**

Design life in floating (in according Eurobat) :  
**EN : 12 years at 20°C**  
**ENL : 15 years at 20°C**

Excellent cyclic performances for the ENL range

\* : Final voltage 1.8 V per cell - Temperature 20°C  
 Power supplies-Chargers for on board applications

Production with UL94-V0 case

Batteries > 500 Ah, UXL range : please consult Yuasa



# FXH

Type of Battery	Voltage (V)	Capacity		Length (mm)	Width (mm)	Height incl. terminals (mm)	Weight (Kg)	Terminals	YUASA Chargers
		10h* (Ah)	20h* (Ah)						
FXH45-12IFR	12	44,6	46,4	278	103	197	15	M6	15 17 18 36 37
FXH90-12IFR	12	89,8	96,8	395	105	255	30	M8	19 20 21
FXH100-12IFR	12	98,4	101,2	508	106	236	34,9	M6	19 20 21
FXH140-12IFR	12	154	164,6	556	123	295	51	M8	21
FXH155-12IFR	12	155	165,6	415	174	258	50,5	M6	21
FXH185-12IFR	12	187	196	556	125	317	60,7	M8	21
FXH190-12IFR	12	200	210	604	123	320	67	M8	21
FXH200-12IFR	12	229	234,8	520	243	230	70,6	M8	

**Standby application**  
**Front terminal UPS and Telecom**

Design life (in according Eurobat) :  
**12 years at 20°C**

\* : Final voltage 1.8 V per cell - Temperature 20°C

Production with UL94-V0 case

**Standby application**

**Telecom cabinet 19" à 23"**

**Design life (in according Eurobat) : 10 years at 20°C**



# YFT

Type of Battery	Voltage (V)	Capacity		Length (mm)	Width (mm)	Height incl. terminals (mm)	Weight (Kg)	Terminals	YUASA Chargers
		10h* (Ah)	20h* (Ah)						
YFT75-12	12	79	80	564	114	187	26	M6	18 19 20 21 37
YFT100-12	12	106	112	508	110	238,5	35,6	M6	20 21
YFT150-12	12	161	166	548	110	286	46	M6	21
YFT200-12	12	210	216	560	126	280	56	M6	21

\* : Final voltage 1.75 V per cell - Temperature 20°C

Reference followed by FR marking : Production with UL94-V0 case

**Other types : please consult Yuasa**

# Cyclic applications

**Electrical vehicle, Solar, Wind, Tools, Lamp, Toy,...**

Cyclic : Battery used as the sole source of energy to be used, with complete recharge after each discharge (one cycle = one discharge + one recharge)



# NPC

**Made in Europe**

Type of Battery	Voltage (V)	Capacity		Length (mm)	Width (mm)	Height incl. terminals (mm)	Weight (Kg)	Terminals	YUASA Chargers
		10h* (Ah)	20h* (Ah)						
NPC24-12	12	22,3	24	166	175	125	9	M5	14 15 17 36
NPC38-12	12	35,3	38	197	165	170	14	M5	15 17 18 36 37
NPC65-12	12	60,5	65	350	166	174	23	M6	18 19 20 37
NPC 100-12	12	92,3	100	350	168	225	38,8	M8	19 20 21

\* : Final voltage 1.75 V per cell - Temperature 20°C



# REC

**Made in Taiwan**

Type of Battery	Voltage (V)	Capacity		Length (mm)	Width (mm)	Height incl. terminals (mm)	Weight (Kg)	Terminals	YUASA Chargers
		10h* (Ah)	20h* (Ah)						
REC10-12	12	9,3	10	151	65	115,5	3,2	F6,35	9 10 11 14 35
REC12-12	12	11,16	12	151	98	97,5	4,2	F6,35	10 11 14 35
REC14-12	12	11,9	13	151	98	97,5	4,2	F6,35	10 11 14 35
REC22-12I	12	19,7	22	181	76,2	167	6,2	M5	14 15 36
REC26-12I	12	23,5	26	166	175	125	9	M5	14 15 17 36
REC36-12I	12	32	36	196	130	169	11,2	M5	15 17 18 36 37
REC50-12I	12	40	50	197	165	175	15,3	M5	17 18 19 20 37
REC80-12I	12	74	80	259	168	212,5	27	M6	18 19 20 21 37

\* : Final voltage 1.75 V per cell - Temperature 20°C

**Design life NPC / REC / YPC :**

- 300 cycles at 100% DOD\***
- 500 cycles at 75% DOD\***
- 800 cycles at 50% DOD\***
- 1400 cycles at 30% DOD\***
- (up to 80% of capacity)**

\*Deep of discharge

# YPC

**Made in China**

Type of Battery	Voltage (V)	Capacity		Length (mm)	Width (mm)	Height incl. terminals (mm)	Weight (Kg)	Terminals	YUASA Chargers
		10h* (Ah)	20h* (Ah)						
YPC55-12	12	51,5	55	229	138	211	17	M6	17 18 19 20 37
YPC100-12	12	100	104	330	173	220	30	M8	19 20 21

\* : Final voltage 1.75 V per cell - Temperature 20°C

# Deep cycle application

Electrical vehicles including : Golf carts, Mobility vehicles, ...

Industrial equipment including : Fork lifts, Access platforms, Floor cleaner, ...



+ Terminal on the left

## DCB (Pro-Spec)

Type of Battery	Voltage (V)	Capacity		Length (mm)	Width (mm)	Height incl. terminals (mm)	Weight (Kg)	Terminals	YUASA Chargers
		5 hr* (Ah)	20 hr* (Ah)						
DCB 605-6	6	175	210	259	179	276	27,0	MM8	-
DCB 105-6	6	185	225	259	179	276	28,6	MM8	-
DCB 125-6	6	195	240	259	179	276	30,7	MM8	-
DCB 145-6	6	215	260	259	179	295	33,0	MM8	-
DCB 875-8	8	145	170	262	181	276	29,0	MM8	-
DCB 890-8	8	155	190	262	181	276	31,6	MM8	-
DCB 8125-8	8	190	240	262	181	316	37,6	MM8	-
DCB 1275-12	12	125	150	329	181	276	37,5	MM8	-

\* : Final voltage 1.75 V per cell - Temperature 20°C

### Design life :

**300 cycles at 100% DOD\***

**500 cycles at 75% DOD\***

**800 cycles at 50% DOD\***

**1400 cycles at 30% DOD\*  
(up to 80% of capacity)**

\*Deep of discharge

### Terminal Type



Insert male terminal (ET)

- Possibility to connect car battery terminals

### ACCESSORIES :

- Handle for transportation
- Filling set
- Can, Can fixing
- Pump
- Tube stopper, Float
- PVC tube
- Acid scales
- Demineralization set, spare cartridge

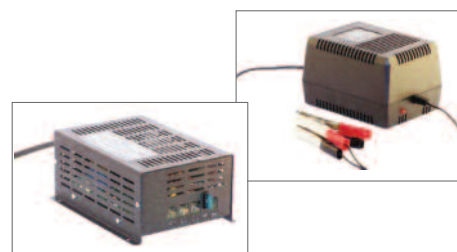
# Industrial chargers to 300 mA at 25A - 6V 12V 24V

Standby application / Floating and Cyclic - Automatic chargers with microprocessor for VRLA batteries  
Motorcycles batteries / Power supplies-Chargers

Ref.	Type of charger	Voltage (V)	Current max. (A)	Sized for batteries	Dimensions (mm)			Weight (Kg)	Battery connectors
					L	D	H		
1	YCP03A6	6	0,3	de 1,2Ah à 3Ah	102	61	47	0,41	A
2	YCP06A6	6	0,6	de 2,4Ah à 6Ah	102	61	47	0,41	A
3	YCP1A6	6	1	de 3,4Ah à 6 Ah	102	61	47	0,41	A
4	YCP03A12	12	0,3	de 1,2Ah à 3Ah	102	61	47	0,41	A
5	YCP06A12	12	0,6	de 2,4Ah à 6 Ah	102	61	47	0,41	A
6	YCP03A24	24	0,3	de 1,2 Ah à 6 Ah	102	61	47	0,41	A
12	YCP08A24N	24	0,8	de 3,2Ah à 8 Ah	130	90	65	1,3	E
7	YCP1.5A6	6	1,5	de 6Ah à 15Ah	130	90	65	1,3	B
8	YCP2A6	6	2	de 8Ah à 20Ah	130	90	65	1,3	B
9	YCP1A12	12	1	de 4Ah à 10Ah	130	90	65	1,3	B
10	YCP1.5A12	12	1,5	de 6Ah à 15Ah	130	90	65	1,3	B
11	YCP2A12	12	2	de 8Ah à 20Ah	130	90	65	1,3	B
13	YCP1A24	24	1	de 4Ah à 10Ah	130	90	65	1,3	B
14	YCP3A12	12	3	de 12Ah à 30Ah	143	103	91	1,9	B
15	YCP4A12	12	4	de 16Ah à 40Ah	143	103	91	1,9	B
16	YCP2A24	24	2	de 8Ah à 20Ah	143	103	91	1,9	B
17	YCP6A12	12	6	de 24Ah à 60Ah	240	140	85	2,1	B
18	YCP8A12	12	8	de 32Ah à 80Ah	240	140	85	2,1	B
19	YCP10A12	12	10	de 40Ah à 100Ah	240	140	85	2,1	B
20	YCP12A12	12	12	de 48Ah à 120Ah	240	140	85	2,1	B
21	YCP20A12	12	20	de 80Ah à 200Ah	240	140	85	2,1	B
22	YCP4A24	24	4	de 16Ah à 40Ah	240	140	85	2,1	B
23	YCP6A24	24	6	de 24Ah à 60Ah	240	140	85	2,1	B
24	YCP8A24	24	8	de 32Ah à 80Ah	240	140	85	2,1	B
25	YCP10A24	24	10	de 40Ah à 100Ah	240	140	85	2,1	B
26	YCP12A24	24	12	de 48Ah à 120Ah	240	140	85	2,1	B
27	MC06A6	6	0,6	de 2,4Ah à 6Ah	102	61	47	0,41	B C D
28	MC06A12	12	0,6	de 2,4Ah à 6Ah	102	61	47	0,41	B C D
29	PS12A12	12	12	de 48Ah à 120Ah	143	103	91	1,9	FREE
30	PS15A12	12	15	de 60Ah à 150Ah	143	103	91	1,9	FREE
31	PS20A12	12	20	de 80Ah à 200Ah	143	103	91	1,9	FREE
32	PS25A12	12	25	de 100Ah à 250Ah	143	103	91	1,9	FREE

YCP : VRLA batteries    MC : Motorcycles batteries    PS : Power supplies-Chargers for on board applications

In compliance with the standards : BS3456, IEC335, ULI236, EN60335, CE in ENB5008-I



## Battery connectors



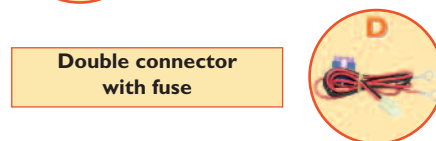
6,35 female connectors with boots



Crocodile clip



Double connector



Double connector with fuse



Connector 4 pins

# Yu-Power chargers

Ref.	Type of charger	Voltage (V)	Current max. (A)	Sized for batteries	Dimensions (mm)			Weight (Kg)	Battery connectors
					L	D	H		
33	YPC09A12MC	12	0,9	Motos <20Ah	95,5	66	87,5	0,51	G
34	YPC2A6	6	2	6 à 20 Ah	140	65	42	0,45	G
35	YPC2A12	12	2	6 à 20 Ah	140	65	42	0,45	G
36	YPC4A12	12	4	12 à 40 Ah	164	85	55	0,62	F
37	YPC8A12	12	8	30 à 100 Ah	190	92	55	0,86	F
38	YPC4A24	24	4	12 à 40 Ah	190	82	55	0,86	F
39	YPCTESTMC	12	Testeur	Motos	45	20	13	0,01	-



Torbury to clips adaptor



Motorcycle plug to clips adaptor



Torbury to T-bar golf caddy adaptor



Motorcycle plug to ring connectors with fuse



## • GLOSSARY :

*Floating* : Battery permanently connected to a constant voltage charger, operating as a buffer and supplying the energy to be used in case of power cut to the main supply (UPS, telecom, alarms etc.).

*Cyclic* : Battery used as the sole source of energy to be used, with complete recharge after each discharge (one cycle = one discharge + one recharge) (solar, wind, electric vehicles, toys, etc.)

## • FR BATTERY

FR (Flame Retardant) batteries are manufactured with ABS containers with a degree of flammability and fire resistance that conforms to the UL94-V0 standard. This requirement is requested to satisfy electrical safety standards, referring essentially to the EN60950 standard (minimum required : conformity with the UL94-V2 standard. UL94-V0 has a higher degree of flammability and fire resistance than UL94-V2).

## • TERMINALS

FC : Wires + connector.

F4,8 : Male snap 4,8 (or 4,7).

F6,35 : Male snap 6,35.

F4,7/6,35 : Male snap 4,7 (or 4,8) terminal -,  
and Male snap 6,35 terminal +.

M5 : Female metric insert ø5 mm.

M6 : Female metric insert ø6 mm.

M8 : Female metric insert ø8 mm.

MM6 : Male metric insert ø6 mm.

MM8 : Male metric insert ø8 mm.

BM5 : Metric Bolt ø5 mm.

BM10 : Metric Bolt ø10 mm.

90° : Positioned at 90° of battery long side

## • INTERNAL EQUIVALENCE

• REW28-12 = NPH5-12

• SW280 = NPW45-12 = NPX35 (< 30 min)

• NPW36-12 = NP7-12

• NPC17-12 = REC22-12I

## • YUASA SERVICES

• To assemble your batterie, YUASA can, under certain conditions, propose standard or specific connectors and terminal covers.

• Personalised, individual packaging.

• Assemblies and wiring in the workshop in either your or our containers boxes or cabinets.

• On site assemblies in boxes, cabinets, worksites, with adapted connectros and assembly/wiring diagrams.

• On site battery assemblies by qualified installers authorised to do so in respect of the regulations in force (UTE18510, NFC15-100, EN50272-2,...).

• On site controls and assessment with visit report.

• Assessment and battery recharging on our premises.

**For all further technical information,  
please consult our manuals and technical information sheets  
on our site : [www.yuasa.fr](http://www.yuasa.fr)**

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