

BATTERY OIL-PULSE TOOLS

The pulse unit of UDBP series is connected to the motor unit directly, not through a gear train. This has reduced the noise, vibration, and reaction force against the operator. The built-in brushless IPM motor has greatly prolonged the motor longevity, and enables you to tighten more fasteners than the conventional motor per battery charge. These UDBP-TA / A Series equip auto-relief function which contributes to improved accuracy, efficiency and durability.



The lithium-ion battery is used for UDBP series.

- Its longevity is not affected by repeated recharging after being only partially discharged.
- The battery power indicator provides you with a visual indication to charge the lithium-ion battery.
 - = enough charge
 - = low charge (recharging needed)
 - = very low charge (immediate recharging needed)
- The slide design battery provides the high-energy efficiency in power.

Tightening numbers per full charge

Model	Torque(Nm)	Tester & Bolt Size	Battery Model	Tightening Numbers (Approx.)	
UDBP-TA40	7	UFT-6(M6)	UB111Li	Hard Joint	840
				Soft Joint	270
UDBP-TA50	11	UFT-10(M8)	UB111Li	Hard Joint	580
				Soft Joint	190
UDBP-TA50(P)	12.5	UFT-10(M8)	UB111Li	Hard Joint	580
				Soft Joint	190
UDBP-TA60	24	UFT-10(M10)	UB222Li	Hard Joint	500
				Soft Joint	170
UDBP-TA60(P)	26	UFT-10(M10)	UB222Li	Hard Joint	500
				Soft Joint	170
UDBP-TA70(P)	40	UFT-16(M12)	UB333Li	Hard Joint	600
				Soft Joint	210

*Torque is set at Hard Joint. Numbers of tightening per charge varies depending on torque level, fastener length and application.

Specifications (Shut off Type)

Model	Capacity (Nominal Bolt Size)		Torque Range		Free Speed (Approx.)	Overall Length less Socket or Bit (Approx.)		Weight less Socket or Bit				From Center to Outside (Approx.)		Sq. Drive or Hex. Size		Battery Voltage (Capacity)	Battery Model Number
	mm	in	Nm	ft-lbs		rpm	mm	in	with battery		with no battery		mm	in	mm		
					kg				lb	kg	lb						
UDBP-TA40	5	No.10	4.5-8	3.3-5.9	4800	208	8 3/16	1.4	3.08	1.11	2.44	29.5	1 5/32	6.35Hex	1/4Hex	11.1V(1.5Ah)	UB111Li
UDBP-TA40(P)	5	No.10	4.5-8	3.3-5.9	4800	205	8 5/64	1.4	3.08	1.11	2.44	29.5	1 5/32	9.5 sq.	3/8 sq.	11.1V(1.5Ah)	UB111Li
UDBP-TA50	6-8	1/4-5/16	6.5-13	4.8-9.6	4800	208	8 3/16	1.4	3.08	1.11	2.44	29.5	1 5/32	6.35Hex	1/4Hex	11.1V(1.5Ah)	UB111Li
UDBP-TA50(P)	6-8	1/4-5/16	7-15	5.1-11.1	4800	205	8 5/64	1.4	3.08	1.11	2.44	29.5	1 5/32	9.5 sq.	3/8 sq.	11.1V(1.5Ah)	UB111Li
UDBP-TA60	8	5/16	13-26	9.6-19.2	4800	223	8 25/32	1.7	3.74	1.25	2.75	29.5	1 5/32	6.35Hex	1/4Hex	22.2V(1.5Ah)	UB222Li
UDBP-TA60(P)	8	5/16	15-28	11.1-20.7	4800	220	8 11/16	1.7	3.74	1.25	2.75	29.5	1 5/32	9.5 sq.	3/8 sq.	22.2V(1.5Ah)	UB222Li
UDBP-TA70(P)	8-10	5/16-13/32	26-47	19.2-34.7	4800	234	9 7/32	2.0	4.4	1.39	3.06	29.5	1 5/32	9.5 sq.	3/8 sq.	33.3V(1.5Ah)	UB333Li

Specifications (Non Shut off Type)

Model	Capacity (Nominal Bolt Size)		Torque Range		Free Speed (Approx.)	Overall Length less Socket or Bit (Approx.)		Weight less Socket or Bit				From Center to Outside (Approx.)		Sq. Drive or Hex. Size		Battery Voltage (Capacity)	Battery Model Number
	mm	in	Nm	ft-lbs		rpm	mm	in	with battery		with no battery		mm	in	mm		
					kg				lb	kg	lb						
UDBP-A50	6-8	1/4-5/16	8-17	5.9-12.6	5300	203	7 63/64	1.4	3.08	1.11	2.44	29.5	1 5/32	6.35Hex	1/4Hex	11.1V(1.5Ah)	UB111Li
UDBP-A50(P)	6-8	1/4-5/16	11-20	8.1-14.8	5300	200	7 7/8	1.4	3.08	1.11	2.44	29.5	1 5/32	9.5 sq.	3/8 sq.	11.1V(1.5Ah)	UB111Li
UDBP-A60	8-10	5/16-13/32	17-30	12.6-22.2	4800	218	8 37/64	1.7	3.74	1.25	2.75	29.5	1 5/32	6.35Hex	1/4Hex	22.2V(1.5Ah)	UB222Li
UDBP-A60(P)	8-10	5/16-13/32	20-32	14.8-23.7	4800	215	8 15/32	1.7	3.74	1.25	2.75	29.5	1 5/32	9.5 sq.	3/8 sq.	22.2V(1.5Ah)	UB222Li

Battery

Model Number	UB111Li	UB222Li	UB333Li
Voltage	11.1V	22.2V	33.3V
Capacity	1.5Ah	1.5Ah	1.5Ah
Weight (Approx.)	0.29Kg	0.45Kg	0.61Kg



Charger

Model Number	UBC
Power Supply	AC100V - AC240V*
Power	100V: 225VA
Consumption	240V: 295VA
Weight (Approx.)	1.6kg
Operating Temperature Range	5-40°C



Charging Time

Battery Capacity	Time (Approx.)
80%	40 minutes
100%	64 minutes

The tool, charger, and 2 sets of batteries are also available as a set.

*Use the power cable which URYU ships with the charger.

Optional Battery Protectors

	Code #	Used for
S	863-976-1	UB111Li
M	863-977-1	UB222Li
L	863-978-1	UB333Li



Optional Tool Jackets

	Code #	Used for
S	863-964-1	UDBP-TA, A50 series
M	863-965-1	UDBP-TA, A60 series
L	863-966-1	UDBP-TA70 series

